



Mersey and West Lancashire  
Teaching Hospitals  
NHS Trust

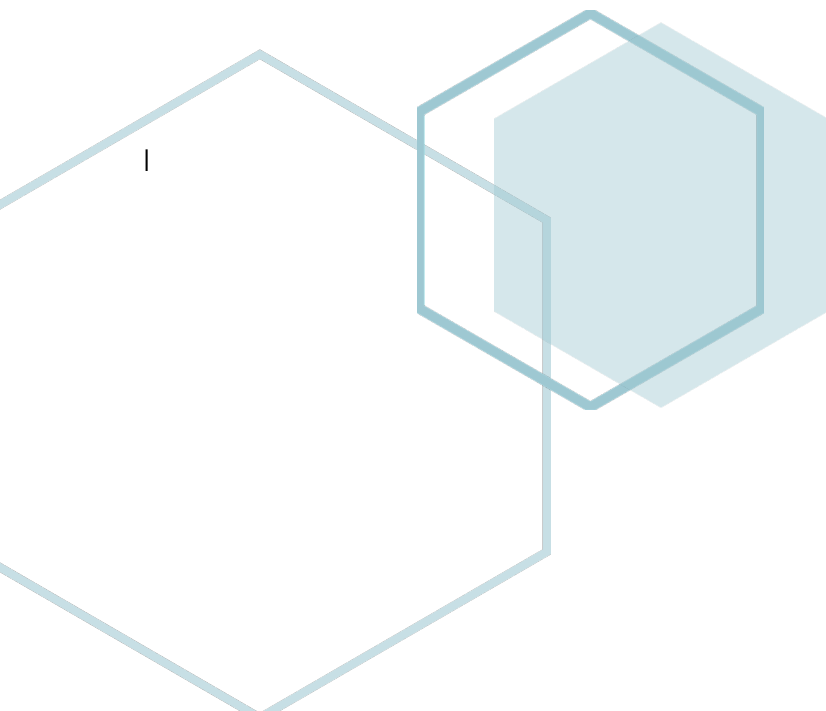


# Research Development & Innovation Department

## Annual Report 2023/2024

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## FOREWORDS

The purpose of this Research, Development and Innovation (RDI) Annual Report is to present information to the Trust Board on the full year RDI activity for 2023/2024. The report provides the evidence that Mersey and West Lancashire Teaching Hospitals NHS Trust (MWL) maintains and develops their statutory duty to “Promote Research, Innovation and the use of research evidence (Health and Social Care Act, 2012)<sup>1</sup>”. It provides an update on the key aspects of progress, performance, and financial management. It also includes an overview of achievements in relation to research activity at MWL.

In July 2023 St Helens and Knowsley Teaching Hospitals and Southport and Ormskirk NHS Trusts merged to become Mersey and West Lancashire Teaching Hospitals NHS Trust (MWL). Jointly we serve a population of over 600,000. By extending our population reach we aim to offer as many patients and staff as possible the opportunity to take part in research. We have embraced the merge and can foresee huge opportunities for the RDI department that will allow us to develop and grow, this can only be of benefit to our patients who will have access to even more cutting-edge research. On the 18<sup>th</sup> September 2023 the MWL research teams from Whiston, Southport, St Helens and Ormskirk met for an informal networking meeting. It was a great opportunity for the teams to meet in person and to get to know each other.



MWL has two research sites:

- **WSN Site** (Whiston, St Helens, Newton Hospitals, Marshalls Cross Surgery and Community Services)
- **S&O Site** (Southport and Ormskirk Hospitals)

Encouraging a research-positive culture in health and care organisations is important to give patients wider access to clinical research, improving patient care and treatment options<sup>2</sup>. MWL is committed to providing the best possible care to patients and acknowledges that research has been widely recognised as being an important factor in providing high quality care for healthcare organisations. Not only does organisational involvement in research improve clinical outcomes and service user satisfaction, but research-active organisations attract higher quality employees and have a better organisational culture.

### **Dr Peter Williams, Medical Director**

It has been an exceptionally exciting year for MWL's Trust Research Development and Innovation department. The merger of our hospitals has given us an exciting and unique opportunity to create an organisation with a greater purpose, which is seen as a beacon for outstanding education, research, and innovation. Moving forward we aim to build on existing good practice and expand our clinical and educational research portfolio so that more patients may benefit from improved outcomes. We also want to ensure that research truly becomes business as usual being highly visible to both patients and colleagues. I am immensely proud of MWL's performance in 2023/2024 and want to thank all everyone involved who has worked incredibly hard, to set-up, deliver and recruit to the research portfolio.

### **Dr Ascanio Tridente, Clinical Director of RDI at Whiston, St Helens and Newton site**

The year 2023/24 has seen extraordinary successes for Research, Development and Innovation at MWL. The Organisation has seen an enormous expansion in activity, propelling the Trust at the third place in terms of recruitment volume across both commercial and non-commercial portfolios of research, which is the highest position ever achieved in the Trust's history. During the year MWL has achieved several outstanding results, and exceptional performance in the Patient Research Experience Survey, which has been recognized regionally with a prize from the NIHR. The two legacy Organisations, following merger, have successfully integrated their research operations, achieving full and seamless harmonisation of processes. Such results have been achieved thanks to the dedication and incredible commitment of our extremely skilled and devoted workforce. We must recognize how important this is for the care of our patients, the opportunity to take part in research, and the success of the RDI department and MWL as a research driven organization. I thank all involved for their contribution and support.

### **Mr Kevin Thomas, Clinical Director of RDI at Whiston, Southport and Ormskirk site**

The research team has continued to work hard to improve the quality of research produced by the Trust. As we move forward there are several important factors that will influence our direction of travel for research at MWL, the merging of Trusts and the Clinical Research Networks. These changes should be embraced and seen as an opportunity to grow and develop our services which will ultimately benefit our patients by offering them even more access to cutting edge research. I would like to extend my thanks to all who have contributed to a very successful year.

### **Dr Craig Rimmer, Deputy Clinical Director of RDI**

This report encapsulates our unwavering commitment to advancing knowledge, fostering technological advancements, and driving innovative solutions to address local, regional and global healthcare challenges. As we reflect on the past year, it is evident that our collective efforts in RDI have paved the way for significant improvements in patient care in a number of areas. This year, our research endeavours have been marked by a spirit of collaboration and resilience, which resulted in a global first recruitment for MWL. Despite the challenges associated with our teams coming together across all sites, our researchers and innovators have demonstrated remarkable adaptability and perseverance. I am particularly proud of our efforts to promote inclusivity and diversity within the RDI ecosystem with the introduction of the EDEPI programme. I wish to extend my deepest gratitude to our researchers, partners, and stakeholders whose dedication and support have been instrumental in our achievements.

### **Mrs. J Anders, RDI Manager – Whiston, St Helens and Newton site (WSN)**

### **Mrs. J Simpson, RDI Manager – Southport and Ormskirk site (S&O)**

We are extremely pleased with the progress that we have made with the merging of both Trusts. We have worked hard to keep our day-to-day business running as smoothly as possible and are delighted to report that this year has been our best year ever for recruitment. We are now the third highest recruiting NHS Trust across the North-West Region. We are also extremely passionate that our patients have a good experience when taking part in research and this is reflected in the fact that we have the most responses to the Patient Research Experience Survey (PRES).

We would also like to take this opportunity to thank all those who have contributed to making the research happen including all our Staff, the Investigators, the Support Departments and of course the patients themselves.

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## SECTION ONE: BACKGROUND

The NHS recognises that staff, from any discipline or activity, can generate new Research, Development and Innovation, and that it is integral to transforming the delivery of evidence-based, safe, efficient, cost-effective care and improving health outcomes. There are a number of key external policies that recognise the importance of research in the NHS and drive the research agenda nationally:

- 1.1 The Lord O’Shaughnessy report<sup>3</sup>, published in May 2023, was commissioned to offer recommendations on how commercial clinical trials can help the life sciences sector unlock UK health, growth, and investment opportunities.
- 1.2 The Future of UK Clinical Research Delivery report 2002 to 2025<sup>4</sup> implementation plan was updated in June 2022. The phase 2 plan is aligned with funding confirmed through the government spending review for April 2022 to March 2025 and includes up to £150 million of additional funding from the National Institute for Health and Care Research (NIHR) and £25 million additional funding from Recovery, Resilience and Growth (RRG) partners across the UK, complementing up to £200 million in England for the data for research and development program announced in March 2022 and demonstrating the government’s ongoing commitment to delivering on the UK’s potential as a global life sciences superpower
- 1.3 In March 2023 the government released the “Maximising the benefits of research: Guidance for integrated care systems<sup>5</sup>” and mentions that “England has a vibrant research and development ecosystem, with well-developed research infrastructure and research expertise within our health and care workforce. The value of research in transforming health and care is significant; additionally, staff satisfaction, recruitment and retention is higher among staff who are involved in research. The inception of integrated care systems (ICSs) provides the opportunity for systems to embed research within health and care for the benefit of our population. Supporting this opportunity, a clear research thread runs through ICS strategies and plans, from joint strategic needs assessments and joint health and wellbeing strategies, integrated care strategies, joint forwards plans, integrated care board (ICB) annual reports and the assessment by NHS England of the discharge of duties by ICBs”.
- 1.4 In February 2024 there was a delivery update to the “Transformation and Innovation<sup>6</sup>” report originally published in January 2024. This report summarises the progress in delivering several of NHS England’s priorities to transform the NHS through digital, data, innovation, improvement and research. Delivery of these objectives have resulted in tangible improvements which benefit people, patients, communities, staff and researchers.

The paper demonstrates the benefits of resolving the fragmented and uneven technology and data capability in the NHS prior to the COVID-19 pandemic. It shows the value of the merger of NHS Digital and NHS England into a single national body which is leading the development of a technology enabled, data driven, integrated health system in which science and innovation truly transform people’s lives.

- 1.5 Health research plays an integral part in how the NHS develops services and continues to provide high quality healthcare for our population. However, National Institute for Health and Care Research (NIHR) data has revealed that UK geographies that experience high rates of disease also have the lowest number of patients taking part in research. The areas where there are the lowest levels of participation also align closely to areas where incomes are lowest, and indices of deprivation are highest. This means that research is often conducted with individuals who are healthier and wealthier and lacks representation from our diverse society.

Treatments need to meet the needs of all groups that make up our society. NHS England has committed to increasing participation in the research it conducts, focusing great effort into engaging those groups and

communities who have historically had lower levels of participation, to ensure the needs of all are reflected in the way the NHS develops its services and treatments.

NHS England published 'Increasing Diversity in Research Participation: A good practice guide for engaging with underrepresented groups', which involved six underrepresented communities between March and July 2022 and provides practical insights for researchers on how to engage more diverse participants in health research. More diverse participation will help ensure that the health service continues to serve and be available to all<sup>7</sup>.

- 1.6 The Health Research Authority (HRA) is one of a number of organisations that work together in the UK to regulate different aspects of health and social care research. Their vision is for high-quality health and social care research that improves people's health and wellbeing, and the core purpose is to protect and promote the interests of patients and the public in health and social care research. All research conducted at STHK must have HRA approval, Confirmation of Capacity and Capability (CCC) issued by the RDI Department, and where necessary, Research Ethics approval.
- 1.7 The National Institute for Health Research (NIHR) Clinical Research Network is made up of 15 Local Clinical Research Networks across England. These local Networks coordinate and support the delivery of high quality research taking place in the NHS and across the wider health and social care environment. The local Networks help to increase the opportunities for participants to take part in clinical research, ensure that studies are carried out efficiently, and support the Government's Strategy for UK Life Sciences by improving the environment for commercial contract clinical research. The Clinical Research Network receives funding from the Department of Health and Social Care (DHSC) which it uses to allocate funding to the local Networks. MWL is a member organisation of the Clinical Research Network North West Coast (CRN NWC). From October 2024, the current NIHR Clinical Research Network will be changing to become the NIHR Research Delivery Network. The NIHR Research Delivery Network (RDN) will continue to support the effective and efficient initiation and delivery of funded research across the health and care system in England for the benefit of patients, the health and care system and the economy, with a name that better reflects the scope and purpose of the network to support:
- Clinical trials and other well-designed health and social care research studies (including studies that are delivered outside of an NHS setting);
  - Public health studies that require the recruitment of individuals within an NHS setting (i.e. acute, ambulance, mental health, community or primary care) or an episode of care which involves contact with the NHS.

The whole of England will be supported through 12 NIHR Regional Research Delivery Networks (RRDNs). These will work with the National Coordinating Centre to provide a joint RDN leadership function so that the NIHR RDN functions as a single organisation with a shared vision and purpose across England.

- 1.8 The Innovation Agency, North West Coast Academic Health Science Network (AHSNs) is one of 15 AHSNs working together in the AHSN Network and is the innovation arm of the NHS. The AHSNs work collaboratively, identifying and supporting the successful development of innovations in our local regional healthcare communities, and helping to spread these across our national Network. They support the discovery, development and deployment of innovative solutions through the North West Coast Innovation Pipeline.

1.9 The following tables display the research delivery staff funding arrangements during 2023/2024.

**Tables 1-3 RDI Department Staff – WSN**

<b>Table 1 Funded by MWL</b>		
<b>Title</b>	<b>Area</b>	<b>WTE Funded</b>
RDI Manager	RDI	1.00
RDI Co-ordinator	RDI	1.00
RDI Support Officer	RDI	1.00
Research Nurse	Commercial	0.5
Senior Research Nurse	Commercial	1.00
Research Nurse	Diabetes / Cross Speciality	1.00
Research Nurse	Commercial	1.00
Project Support Officer	Cross Specialty	0.33

<b>Table 2 Funded by CRN</b>		
<b>Title</b>	<b>Area</b>	<b>WTE Funded</b>
Associate Research Practitioner	Cross Speciality	1.00
Senior Research Nurse	Cancer	0.8
Research Nurse	Cancer	1.00
Research Nurse	Rheumatology/Cross Speciality	1.00
Research Nurse	Cross Speciality	1.5
Research Nurse	Paediatrics	0.50
Research Midwife	Maternity	0.50
Research Nurse	Critical Care/ Cross Speciality	1.00
Data Manager	Cancer	1.50
Project Support Officer	Cross Specialty	1.27
GP	Marshalls Cross	2pa
Practitioners	Marshalls Cross	0.2

<b>Table 3 Funded by Own Department at WSN</b>		
<b>Title</b>	<b>Area</b>	<b>WTE Funded</b>
Burns Research Nurse	Burns	1.0
Stroke Research Nurse	Stroke	1.0

**Tables 4-5 RDI Department Staff – S&O**

<b>Table 4 Funded by MWL</b>		
<b>Title</b>	<b>Area</b>	<b>WTE Funded</b>
RDI Manager	RDI	0.8
RDI Coordinator	RDI	1.0

<b>Table 5 Funded by CRN</b>		
<b>Title</b>	<b>Area</b>	<b>WTE Funded</b>
Senior Research Nurse	Generic	0.9
Research Nurse	Paediatrics/ Generic	0.4
Research Nurse	Paediatrics/ Generic	0.4
Research Nurse	Generic	1.00
Research Nurse	Generic	0.6
Research Midwife	Midwifery /Generic	0.8
Research Support Assistant	Generic	1.00
Research Support Assistant	Generic	1.00
Senior Research Nurse	Generic	0.9
Research Nurse	Paediatrics/ Generic	0.4

- 1.10 Commercial research is defined as research that is funded and sponsored by a commercial organisation. A study is defined as industry sponsored and funded if a commercial company has developed the study protocol and is fully funding the additional costs of hosting the trial within the NHS. MWL receives income from industry-sponsored research, this income covers all costs for the study as well as overheads and capacity building. At MWL the overheads are distributed in accordance with the Trust approved Income Distribution Plan. All research income is managed centrally within RDI, with support from the Finance Department, to ensure consistency, accountability and transparency of research income and expenditure. The IDP covers both commercial and non-commercial research and includes guidance around the spending of funds after a study has closed. It states that any study funds not utilised within 12 months of the study closure or without a set plan for expenditure will be allocated to the RDI Department and reinvested in research. The IDP was produced to provide a transparent and consistent approach to the utilisation of income from research studies. The IDP was updated to allow and encourage the flow of research income to be reinvested back into research in a timely manner, thus enabling growth and expansion.
- 1.11 RDI 3-year Strategy outlines our vision as a fully research active organisation. The strategy reflects the change in policies and the direction of travel with regards to Research and Innovation at MWL. Work has started on a new 2-year interim RDI Strategy document that is due to be released June 2024. The implementation of this Research Strategy will establish the environment to enable and deliver world leading research, provide a framework of development and innovation, and enhance multi-disciplinary collaborative research.

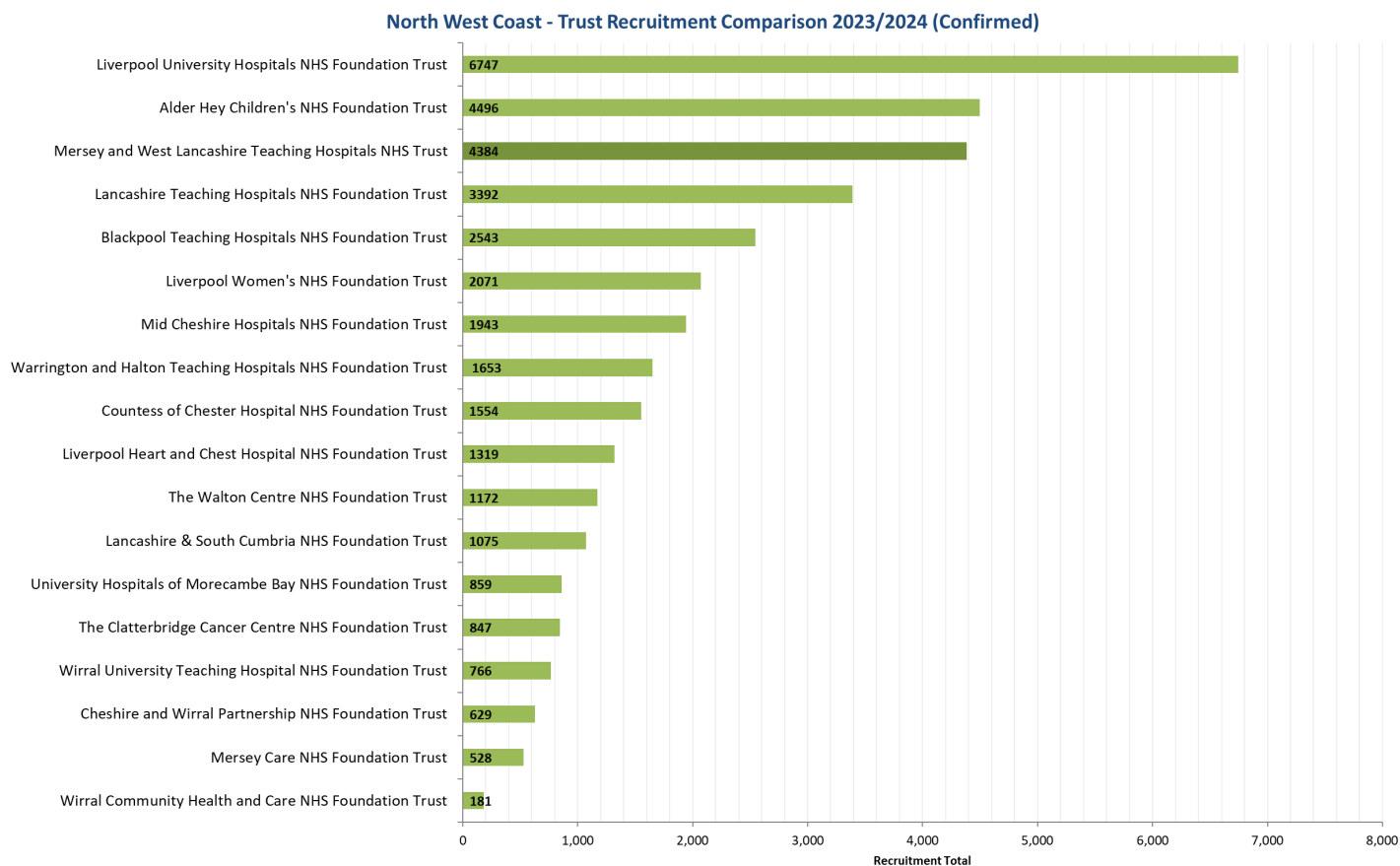
## **SECTION TWO: OVERVIEW / SUMMARY OF RESEARCH ACTIVITY**

- 2.1 Due to the merge of the two hospitals taking place part way through the year, most of the activity for 2023/2024 is reported by site. Next year we will be able to merge some of the data together and report the findings as one Trust.

In total MWL staff have recruited 4384 participants to research studies since the 1st April 2023, the highest recruitment in 5 years, and has placed MWL the third top recruiter on the Clinical Research Network, North West Coast (CRN NWC) dashboard. This is an exceptional achievement as historically we usually sit around 7th or 8th. Of these 2798 participants were recruited from WSN and 1586 from S&O. This is the result of a huge effort from all the staff within the RDI Department; it also demonstrates our commitment to offering patients and public the opportunity to take part in research.



## Chart 1 - Trust Comparison



2.2 The number of active research studies reported at MWL during 2023/2024 is as follows:

**Table 6 - Number of Active studies**

Site	Number of NIHR Portfolio studies	Number of Non-Portfolio studies	Total number of Studies
WSN	127	24	151
S&O	53	5	58

See appendix 1 - a list of NIHR portfolio studies that have recruited during 2023/2024

2.3 During 2023/2024 the number of new studies assessed for Confirmation of Capacity and Capability (C&C) at WSN was N27, and N16 at S&O.

Our studies range from observational to complex interventional studies; the following charts demonstrate the types of studies conducted at MWL during 2023/2024.

**Table 7 - Study Categories (N151) WSN**

<b>Study Category</b>	<b>No. of Studies</b>
Basic science study involving procedures with human participants	22
Clinical investigation or other study of a medical device	3
Clinical trial of an investigational medicinal product	31
Other clinical trial to study a novel intervention or randomised clinical trial to compare interventions in clinical	42
Other study	9
Research database	4
Study administering questionnaires/interviews for quantitative analysis	18
Study involving qualitative methods only	7
Study limited to working with data (specific project only)	10
Study limited to working with human tissue samples	5
<b>Grand Total</b>	<b>151</b>

**Table 8 - Study Categories (N58) S&O**

<b>Study Category</b>	<b>No. of studies</b>
Basic science study involving procedures with human participants	8
Clinical investigation or other study of a medical device	1
Clinical trial of an investigational medicinal product	4
Other clinical trial	17
Other Study	4
Research database	4
Study administering questionnaires/interviews for quantitative analysis	10
Study involving qualitative methods only	7
Study limited to working with data (specific project only)	1
Study limited to working with human tissue samples	2
<b>Grand Total</b>	<b>58</b>

- 2.4 In some cases the Trust takes on the role of Sponsor. The Sponsor is the individual, company, institution or organisation that takes on the ultimate responsibility for the initiation, management (or arranging the initiation and management) and/or financing (or arranging the financing) for that research. The sponsor takes primary responsibility for ensuring that the design of the study meets appropriate standards, and that arrangements are in place to ensure appropriate conduct and reporting.

The number of sponsored studies at WSN in 2023/2024 was 9 compared to 7 in 2022/2023, none of these were CTIMPs (Clinical Trial of an Investigational Medicinal Product). See table 9 overleaf:

**Table 9 - Studies Sponsored by WSN (N9)**

Name	Type	Specialty
Appropriateness of calls to an on-call pharmacy service	Study administering questionnaires/interviews for quantitative analysis.	Pharmacy
A qualitative mixed-methods exploration of the work-related factors on the psychological well-being	Study involving qualitative methods only	Psychology
COVID-19 prognostic study on ICU	Study limited to working with data (specific project only)	ICU
Does early burn excision improve outcomes in patients with major burns?	Study limited to working with data (specific project only)	Burns
The Impact of Multimorbidity and Socioeconomic Status on Health Service Utilisation Before and During the COVID 19 Pandemic	Study limited to working with data (specific project only)	Trust wide
Impact of COVID-19 on Breast Cancer - Qualitative Study V1.0	Study administering questionnaires/interviews for quantitative analysis	Cancer
Chronology in multimorbidity clustering and its effect on treatment burden and the utilisation of health and social care services	Study limited to working with data (specific project only)	Trust wide
Chronology in multimorbidity clustering and its effect on treatment burden and the utilisation of health and social care services - The experiences of multimorbidity patients regarding treatment burden	Study involving qualitative methods only)	Trust wide
Stroke and atrial fibrillation (AF) with a focus on prevalent and incident stroke and/or AF in one area of North West England,	Study limited to working with data (specific project only)	Stroke

S&O sponsored one study in 2023/2024, this was the UNBIASED study: Understanding Inequalities and Barriers to Accessing Diabetes Technology in Children and Young People with Type 1 Diabetes (a non-CTIMP study).

- 2.5 A key priority for the Department of Health is for the Trust and Research Networks to engage with Industry. During 2023/2024 WSN had 18 active commercial studies. It is recognised that there is a huge potential in the Trust to increase commercial activity, therefore we have reached out to highly reputable commercial companies to put MWL on the international and national map. S&O had one commercial study on their portfolio “the RADIANT study”.

**Table 10 - Active Commercial Studies at WSN by Speciality 2023/2024:**

<b>Speciality</b>	<b>No of studies</b>
Gastroenterology	6
Cardiology	2
Stroke	2
Paediatrics	2
Diabetes	1
Therapy	1
Infection	1
Burns Unit	1
Respiratory Disorders	1
Critical Care	1
<b>Grand Total</b>	<b>18</b>

- 2.6 The Trust also leads or collaborates on a range of studies across the health care priorities for research identified by the Department of Health. A total of 27 new studies were assessed for capacity and capability (approval) at WSN and 16 at S&O.

### **SECTION THREE: RESEARCH CONDUCT, GOVERNANCE AND FINANCE**

- 3.1 The Trust is committed to the promotion of good research practice, ensuring that research is conducted according to appropriate ethical, legal and professional frameworks, obligations and standards. Research should be undertaken in accordance with commonly agreed standards of good practice. Good Clinical Practice (GCP) is a set of internationally recognised ethical and scientific quality requirements which must be observed for designing, conducting, recording and reporting clinical trials that involve the participation of humans. An understanding of GCP is a prerequisite for anyone carrying out, or involved in, clinical research and clinical trials. The RDI Department ensures that information and support is available to researchers, and that GCP training is made available to all staff involved in research. The RDI Department has a set of instructions which act as a guide to researchers and assists them in accessing and setting up NIHR online GCP training.
- 3.2 The RDI Manager is a GCP Facilitator, and helps to deliver courses across the North West Coast. Since COVID the majority of courses are delivered online or via TEAMS.
- 3.3 The 19 principles in the UK Policy Framework for Health and Social Care Research (2017) serve as a benchmark for the conduct of research. Adhering to these standards is a must and ensures the health and safety of research staff and participants.
- 3.4 The RDI Department has a suite of Standard Operating Procedures (SOPs). The SOPs cover all aspects of the set up and conduct of a research project. The SOPs from both Trusts will be merged in June 2024 to allow consistency across WSN and S&O.
- 3.5 In order to maintain the highest standards of rigour and integrity at all times, Principal Investigators are expected to sign an Investigator Declaration form prior to commencing any new research study. The declaration form very clearly outlines the Investigators' responsibilities when undertaking research at MWL.

- 3.6 An audit of Compliance with Good Clinical Practice re Consent, Record Keeping and Storage of Documents was undertaken at WSN. N80 research cases were included in the audit. The consent forms and patient information leaflets were present in 100% of cases. The consent process checklist was present in 88% (n70) of cases. The results from the S&O audit were similar, N38 cases were included in the audit of which 95% (n37) had the consent form scanned into Evolve, 97% (n37) had the patient information leaflet scanned and 84% (n32) had the consent process checklist present on Evolve.
- 3.7 It is good practice for the PI to be involved with, or at least be aware of all aspects of, the research study, particularly regarding Clinical Trials of an Investigational Medicinal Product (CTIMP). The research Nurses from WSN meet regularly with the PI to complete a review, which is documented in a specific form, which demonstrates PI oversight of the study. This is something that we are considering implementing at S&O.
- 3.8 Anyone connected with research which involves NHS patients, samples, information, facilities, staff or services is expected to conduct research to the appropriate standards. This includes staff with letters of access, students and part-time staff, or those on short term attachments. The RDI Department works with Human Resources department to ensure that the correct employment checks are in place prior to issuing research approval.
- 3.9 The RDI Department is accountable through its Medical Director to the Trust Board sequentially through the Research Development and Innovation Group (RDIG), Clinical Effectiveness Committee and the Quality & Safety Committee. The RDIG meet quarterly; membership includes key local research stakeholders to ensure the Trust meets strategic objectives in relation to Research Development & Innovation. Members are selected for their specific role or because they are a representative of a professional group/speciality/directorate or division.
- 3.10 The Research Development and Innovation Group promotes, oversees and fosters clinical Research Development and Innovation within MWL Trust. The RDI Group meets quarterly and is chaired by Dr Ascanio Tridente, Clinical Director for Research. A decision was made to merge the RDI Groups (former St Helens and Knowsley and Southport and Ormskirk NHS Trusts), it is expected that the first meeting of the new RDI group will take place in June 2024.
- 3.11 The Research Practitioner Group (RPG) at WSN meet twice a year and plays an important role in the delivery of good quality research at MWL. NIHR recruitment is a standing item on the agenda, and updates on performance are discussed and plans put in place to achieve compliance. There are plans to include the S&O team at the RPG meetings.
- 3.12 The NIHR Clinical Research Network is responsible for the provision of the NHS Support resources to enable studies to be conducted in the local NHS regions they are responsible for. Within many Trusts this funding covers a number of different areas as follows:
- Research Nurses - feasibility support, and to recruit and manage patients in research studies.
  - Non clinical research support staff – administrative staff who assist with study feasibility along with record keeping and data collection as part of research studies.
  - Service Support departments – Pharmacy, Radiology and Pathology (where this service is provided by organisations as an NHS support activity in the delivery of clinical research).

3.13 Funding is allocated from the CRN NWC to support the RDI Department and Support Services. There are also additional funding calls throughout the year.

The total amount of funding allocated to WSN in 2023/2024 was £627745:

-	Core Funding	£494860
-	Life Sciences Funding	£61089
-	Strategic Funding	£36629
-	Commercial Incentive Funding	£25000
-	Infrastructure Hub Funding	£23910
-	Speciality Leads	£9167
-	Marshalls Cross	£1000
-	Capital Funding	£55000

The total amount of funding allocated to S&O in 2023/2024 was £294046:

-	Core Funding	£261348
-	Life Sciences Funding	£6180
-	Infrastructure Hub Funding	£4018
-	Speciality Leads	£5000
-	IIT Funding	£7500
-	Commercial First Incentive Funding	£10000

3.14 In 2023/2024 the CRN NWC funding model allocated 80% core funding to all partner organisations and the remaining 20% based on the following criteria:

- 10% Agile working - The overall aim of this approach is to develop a flexible workforce that utilises the skill and experience of research delivery staff to support regional health priorities as a collective and collaborative endeavour across the region.
- 5% Collaboration – In essence to develop new research partnerships with other NWC organisations including primary care.
- 5% Conducting studies in strategic disease areas (Cancer, Cardiovascular Disease, COPD and Mental Health).

3.15 MWL qualified for £50k Research Capability Funding (RCF) across both sites, this is allocated by the Department of Health for recruiting 100 or more participants to non-commercial research. This will be reinvested back into the department to help with capacity building.

RCF is allocated to research-active NHS bodies or NHS health care providers under one of two circumstances:

- they received sufficient NIHR income during the previous calendar year to reach a threshold of £25k required to trigger an RCF allocation, or
- they recruited at least 100 participants per year to research studies conducted through the NIHR Clinical Research Network (CRN).

There was also an additional £20K payment to WSN from the NIHR “ Research Recovery and Re-set” programme. Its aim was to make portfolio studies delivery achievable within planned timelines (time and

target) and to ensure that we get the research system back 'on track' and are able to complete the greatest number of studies within the available resources and capacity.

- 3.16 All Trusts were encouraged by the CRN to produce an Income Distribution Plan. This provides a transparent and consistent approach to the distribution of income from commercial research studies. Commercial research is defined as research that is sponsored and funded by commercial companies, usually pharmaceutical or device manufacturers, and is directed towards product licensing and commercial development. It is a key strategic goal within the Trust RDI Strategy to increase commercial research contracts. This will only be achieved if clinicians are supported to do this research and are incentivised to do so in the form of income generation for their teams and departments. The money generated from commercially-sponsored studies is a valuable source of income for NHS Trusts. This income can be used to encourage key stakeholders to develop capacity for new research within the Trust and increase the volume, and therefore future income generation.

The principles of commercial income distribution are:

- Departments and individuals are recognised for their contribution to commercial research within the Trust and are incentivised fairly
- All costs incurred by the Trust are fully recovered
- Commercial research continues to afford both investigators and the Trust the opportunity to fund additional research related activities.

- 3.17 The RDI Department also supports smaller studies, including individual research undertaken as part of higher qualifications, such as MSc or PhD. This involves guidance through the RDI approval process and ethics review, and the provision of advice and training. As part of their continuing professional development, many staff aim to progress through higher qualifications and/or research work.

## SECTION FOUR: KEY ACHIEVEMENTS

The following are examples of how MWL continuously drives to improve the quality of service provided through research:

- 4.1 We are extremely proud to have recruited 4384 patients to research studies since the 1st April 2023, the highest recruitment across both sites in 5 years. This is the result of a huge effort from all the staff within the RDI Department; it also demonstrates our commitment to offering patients and public the opportunity to take part in research.
- 4.2 In October 2023 we were notified that we had been successful in securing National Institute for Health Research (NIHR) Infrastructure funding to further expand our dedicated clinic space at both sites. Throughout 2023 we also secured Life Sciences funding to improve the delivery of NIHR commercially sponsored studies, and Capital funding for equipment to help with the delivery of research. Securing this additional funding will allow us to expand our research portfolio and ensure that our patients benefit from a welcoming and friendly dedicated research environment.
- 4.3 The Paediatric Diabetes Team at Ormskirk Hospital with collaboration and support from the Whiston paediatric team were commended for randomising the first global patient to the RADIANT Study- supporting treatment of type 1 diabetes. They recruited 6 children to the study and met the contracted target.



*Professor May Ng OBE states “I am immensely proud of our MWL team’s exceptional efforts in recruiting the first global participant for the RADIANT international trial. The importance of research impact on patient’s lives cannot be overstated, as it directly translates scientific advancements into tangible improvements in healthcare outcomes”*

4.4 We are pleased that we have met the recruitment to time and target metrics for an important Astra Zeneca study “TILIA” that is being conducted at the WSN. In addition to this WSN currently have 6 open commercial studies, of these it took no longer than 3 weeks from receipt of the information pack to issuing capacity and capability. This is an excellent achievement and something that we take pride in and are always striving to improve. This has proved extremely beneficial when being selected as a site for new studies.

The TILIA team at Whiston:



Both the RADIANT and TILIA studies were supported by our outstanding Research Nurses and Support staff. This is a huge achievement for the research staff MWL and puts us on the map both in the UK and internationally, as a Trust with an excellent reputation for setting up and delivering commercial research.

4.5 First UK patient randomised to the Anthem study. In March 2024 the Gastroenterology team at Whiston Hospital randomised the first patient to an important study looking at treatments for patients with Moderately to Severely Active Ulcerative Colitis.





*Dr Rajiv Chandy - "MWL is widely known as a top tier commercial research unit in the IBD world. This in turn translate into good clinical care for all our patients. Recruitment has never been an issue thanks to our highly engaged patients".*

- 4.6 Harmonie study: This is a research study that looked at how strongly babies can be protected from serious illness due to RSV infection (Respiratory Syncytial Virus) by giving them a single dose of antibodies. The result results were published in in the New England Medical journal 2023. Dr Rosaline Garr, Consultant in Paediatrics & Neonatal medicine & Honorary Clinical Senior Lecturer, and colleagues from Whiston Hospital were one of 110 sites in the UK to run the Harmonie study, which involved vaccinating babies up to 12 months of age with a single dose of Nirsevimab, and were acknowledged as one of the top recruiting sites in the North West. The results of the study supported by the National Institute for Health and Care Research, showed a reduction in RSV-related hospitalisation by 83%, which is a fantastic result.



*Dr Garr said: "We're very proud to say that we have been involved in a vital research study, with such great results. We see many babies admitted with RSV through the winter period, so this new vaccine is very much welcomed."*

- 4.7 In 2024 the Mersey Regional Burn Centre won two research awards at the Journal of Wound Care awards at the Imperial War Museum in London.

Prof Shokrollahi's collaborative research with Liverpool University and Manchester Metropolitan University won Gold in the best Research Category for innovative research relating to photodynamic therapy in the treatment of infections with Staphylococcus Aureus and Pseudomonas, leading to potential ways to treat infection without antibiotics.

The team also won Gold in the 'Most Progressive Society' category relating to their work on sustainability in the NHS, having previously picked up the best research poster award for the same work at the British Burn Association annual meeting last year. Congratulations to Laura Cappuyns, Liby Philip, Dilnath Gurusinghe and Kayvan Shokrollahi



In addition the Burns team recruited to their first ever commercial trial “ Biatain Fiber Ag on burns” and completed the Early Laser for Burn Scars (ELABS) study, the largest ever trial in the UK for laser treatment . The team also had 20 presentations at the British Burns Association in 2023 and won 50% of prizes (n3). This is a demonstration of their commitment to research and ensuring that our patients are offered the latest burns treatments.

- 4.8 In 2023 the British Society for Paediatric Endocrinology and Diabetes BSPED Research and Innovation Award was presented at the British society of paediatric endocrinologist annual conference to Professor Lucy Bray (Edge Hill University) Dr Jaarod Wong (Glasgow University) and Professor May Ng (MWL) for a joint research collaboration working with patient groups on development of national educational standards and patient resources for emergency management of Adrenal Insufficiency.
- 4.9 We are extremely pleased that the CRN NWC successfully appointed Dr Ravish Katira, a Cardiology Consultant at Whiston, as CRN Cardiovascular Speciality Lead. This is a key role that works in partnership with the research network locally and nationally (UK), providing a forum to share good practice, successes, opportunities and challenges, and helping influence and shape the clinical research environment.
- 4.10 In 2023/2024 MWL recruited 2817 participants to the iGBS study, the study aims to help develop a vaccine against Group B Streptococcus infection in newborn babies. WSN recruited 1720 and S&O recruited 1097. WSN have been recognised as the top recruiting Trust in the UK, which is an excellent achievement. This study was a team effort, and everyone worked hard to recruit as many participants as possible; it was co-ordinated by the Research Midwives at both WSN and S&O.

MWL were also the top recruiters in the UK to several other important research studies:

**Table 11 – Top Recruiting studies at MWL during 2023/2024**

STUDY	SPECIALITY	
UK Genetic Prostate Cancer Study	Cancer	NWC
Oxford Cognitive Screen - Visual Impairment adaptation	Ophthalmology	Top in UK
RASPER (joint top recruiter)	Respiratory	NWC

Visual scanning training for hemianopia (SEARCH)	Ophthalmology	Top in UK
Statins for Improving Organ Outcome in Transplantation (SIGNET)	Critical Care	NWC
iGBS3	Children/ Obstetrics	Top in UK
Melanoma Wide Excision Trial - MelMarT-II	Cancer	Top in UK
IBD Bioresource	Gastroenterology	NWC
Molecular Genetics of Adverse Drug Reactions (MOLGEN)	Genetics	Top in UK

4.11 Cancer Research – The recruitment of patients into cancer studies at WSN has remained the same, with 126 patients taking part in cancer studies, the same as in 2022/2023.

Our Cancer Research Team are the highest recruiting Trust in the country to the Melmart 2 study (Melanoma Wide Excision Trial). This is an important study that aims to further medical knowledge and may improve future treatment of melanoma.

In December 2023 they were also second top recruiting site to the Endonet Study (Randomised controlled trial evaluating effectiveness of neoadjuvant endocrine treatment in post-menopausal women (EndoNET). Our Senior Cancer Research Nurse, Amanda McCairn, and Cancer Research Nurse, Angela Ballantyne, presented at the Investigator meeting in June 2023, where they gave an overview of their experiences of being involved in the study.

Overall, the team have recruited to the following tumour groups:

**Table 12 – Cancer Tumour Groups**

Tumor Group	No. of Recruits
Breast	16
Colorectal	2
Haematology	3
Lung	25
Skin	68
Urology	12
<b>Total:</b>	<b>126</b>

The Cancer Research team is still the only research team to be Macmillan adopted. This is an exceptional achievement and demonstrates our commitment to delivering the best support and treatment for our cancer patients.



At MWL we believe that cancer research is crucial to improve the prevention, detection, and treatment of cancers. We are passionate about informing our patients of research opportunities that could improve or prolong their quality of life. The July 2023 skin cancer survey results revealed that 90% of patients at MWL were aware that we are a research active trust. Please see the following comment that was taken from the Patient Research Experience Survey:

*"I received a questionnaire for a number of years following breast cancer treatment. This enabled me to think about how I was really feeling both mentally and physically. It was a bit of a lifeline to consider the impact of treatment and side effects. The treatment has finally stopped after 10 years, and I feel alive again and relish each day by living in the moment".*

- 4.12 The Stroke department continued to recruit well to the Huawei study –“Evaluation of Huawei Smartwear for Detection of Atrial Fibrillation in a Post-Stroke Population” The team have recruited the most patients to this study, with 203 patients recorded so far. In addition, they opened 2 important hypertension commercial studies, and in March 2024 were congratulated for conducting the first site initiation visit of the study ahead of the global first site initiation date.
- 4.13 Our research team at WSN have also been successful in recruiting a large number of patients to the IBD Bio resource (The UK Inflammatory Bowel Disease BioResource) and the IMID (Immune-Mediated Inflammatory Diseases) BioResource studies.
- 4.14 Other areas across the Trust are research active and committed to conducting research, i.e. Intensive Care, Rheumatology, Diabetes, Cardiology, Sexual Health, Dermatology. Without the continued support of the doctors and nurses involved we would not be in the position to offer our patients the opportunity to take part in research. A full list of all the active studies being undertaken at MWL during 2023/2024 can be found in Appendix 1.
- 4.15 Two of our research nurses are members of the Trust’s Digitalisation Group. We are keen to ensure that our research staff are kept up to date with any new developments and have the opportunity to provide input that will result in more effective data sharing across the health and care system and digital transformation of care pathways.
- 4.16 In 2023/2024, 92% (n23) of research studies at WSN met the recruitment target within the specified timeframe “Recruiting to Time and Target” (RTT). The number of studies that met the RTT target at S&O was 60% (n9)

We also met the following NIHR CRN NWC high level objectives:

Percentage of open to recruitment commercial contract studies that were predicted to achieve their recruitment target – WSN 90%

Percentage of open to recruitment non-commercial contract studies that were predicted to achieve their recruitment target – WSN 91%

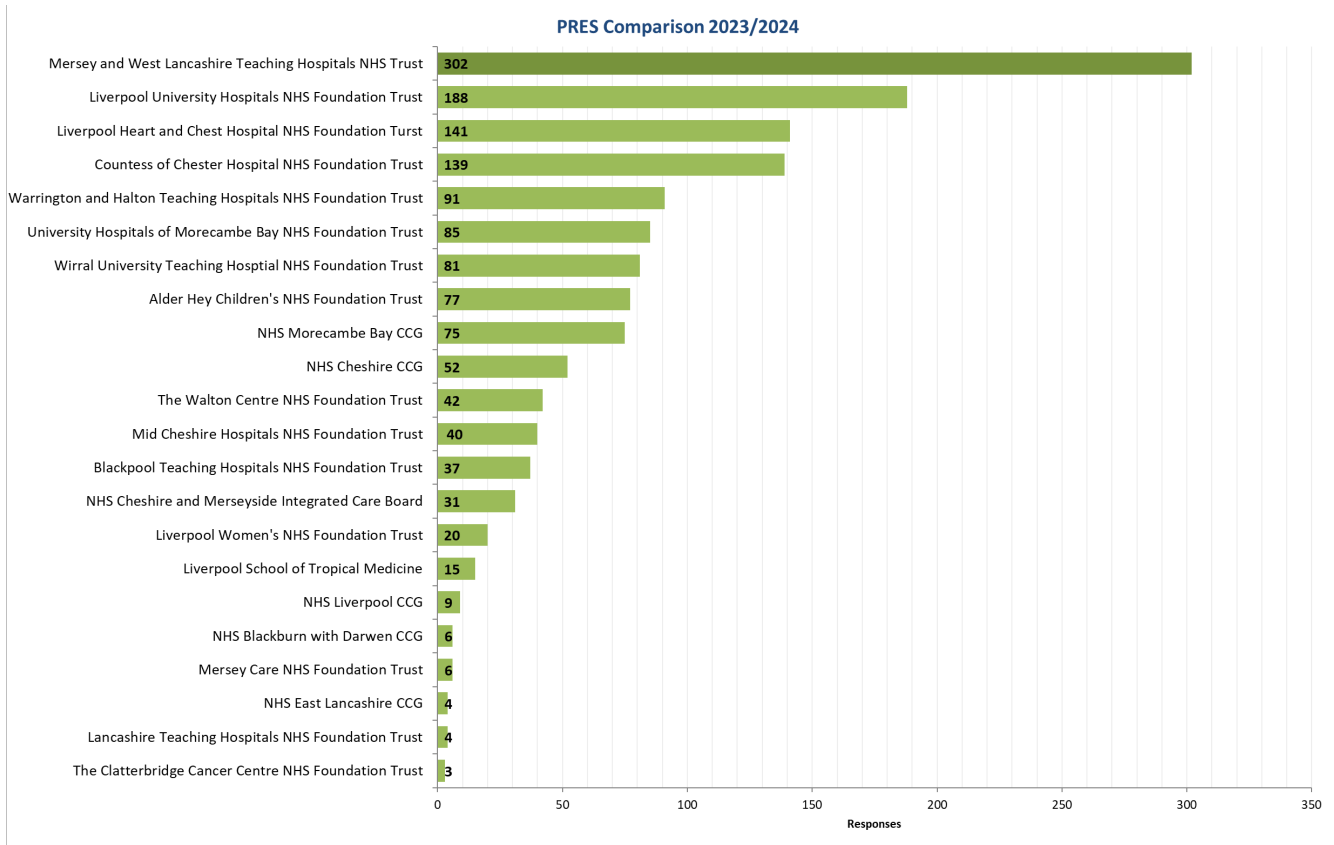
Percentage of open to recruitment commercial studies that are predicted to achieve their target – S&O 100% (only Radiant)

Percentage of open to recruitment non-commercial studies for former S&O predicted to achieve their target – S&O 89%

4.17 The Participant in Research Experience Survey (PRES) is conducted annually by the National Institute for Health Research (NIHR) Clinical Research Network (CRN). The PRES is a priority for MWL as participant experience is at the heart of research delivery by providing an opportunity for as many research participants as possible to share their experience of taking part in research. In 2023/2024 MWL received the most responses to the PRES across the North West Coast.

The Research Team introduced several methods for obtaining feedback and valued the patients' views on taking part in research, including face to face conversations, implementing QR code and sending out postal questions. Please see below how MWL compared to other Trusts across the region in obtaining patient feedback. Again, this is a significant achievement and shows our commitment to understanding more about patients' experience of clinical research. We are proud that there were no negative responses, and all the feedback was positive.

**Chart 2 – Patient Research Experience Survey results**



Some examples of the responses include:

*“Research can only be a good thing; research informs from facts; so therefore, helps influence future plans/changes/ to help people now and future generations. The Specialist Nurse who enrolled me was informative, knowledgeable, friendly but respectfully professional and efficient. I left the room feeling better and more uplifted than before I went in! Knowing, albeit only small...I was doing my bit to help”.*

*“From the moment I agreed to take part, I have always felt I made the right decision. The care & professionalism I have received has been amazing”.*

*“I feel grateful to take part in this study because if people don't do this, I may not be here to see my family and grandchildren. These tests are needed to move on with medicine”.*

Feedback from research participants can help us to understand both what they are doing well and where there are opportunities to improve. The PRES has already been instrumental in how we shape our services and feedback has led to the MWL expansion of research facilities at Whiston Hospital, with planned expansion at Southport.

- 4.18 In October 2023 ‘Kitty’ The NIHR Research Bus came to visit our sites. We had the chance to discuss different ways to promote research and show others that research can take place anywhere! The Bus is a new initiative to enable research teams to take research out to the wider communities i.e. primary, and social care settings and enabling us to reach out to underserved populations that would not normally get the opportunity to take part in research.



- 4.19 International Clinical Trials Day (iCTD) is an annual event that takes place on 20th May, where we raise awareness of clinical trials to encourage patients, carers and the public to get involved in research. We also celebrate our achievements and take time to be grateful for the improvements made to public health.



4.20 MWL have continued to promote Research and Innovation to staff and patients via:

- Social media, regularly posting good new stories on Facebook and Twitter
- Communications Team at MWL and the CRN NWC
- Library Services
- Training and education
- Taking the Trust Quality Bus out to various departments throughout the Trust to promote research and highlight any studies that are taking place in their areas.

4.21 MWL started to produce a Research Newsletter which is published quarterly and highlights all the good work of the department and provides information/ updates for our staff.

4.22 Staff publications (research and academic) have been recorded by the library and knowledge services at MWL, which shows our commitment to transparency, and our desire to improve patient outcomes and experience across the NHS.

These achievements have only been made possible by the continued support from all staff within the RDI Department, the committed Consultants who take the role of Chief and Principal Investigators, Research Teams, support services and, most importantly, the patients, who give up their time to take part in clinical trials.

## SECTION FIVE: EDUCATION AND TRAINING

5.1 It is a legal requirement that all staff involved in clinical trials complete Good Clinical Practice (GCP) training, and the Trust has facilitated this for staff by signposting them to the online course. Commercial companies also regularly run refresher GCP courses for staff involved in the clinical trials.

5.2 The RDI Manager at WSN is a Good Clinical Practice Facilitator and facilitates these courses across the North West Coast Clinical Research Network.

5.3 The NIHR offer career development opportunities, including training programmes and fellowships based in the NIHR research infrastructure. Training and career development awards are available at different levels and accessible by different professional backgrounds. These awards are all managed by the NIHR Trainees Coordinating Centre and comprise both personal awards, which can be applied for directly, and institutional

awards, which should be applied for through the host institution. They also develop and support the people who conduct and contribute to the NIHR CRN Portfolio of studies. This is done by providing training opportunities via the NIHR Learning Management System, which includes a variety of online and taught courses. The RDI Department also signpost staff to these resources and participation.

- 5.4 The NIHR introduced an Associate Principal Investigator (PI) Scheme which aims to develop junior doctors, nurses and allied health professionals to become the PIs of the future and provides formal recognition of a trainee's engagement in NIHR portfolio research. The Trust is committed to developing future PIs, therefore we have engaged with this initiative.
- 5.5 WSN Research Department organised an Education Evening on Inflammatory Bowel Disease (IBD). This took place on Thursday 8th February 2024 at The Village Hotel in Whiston. The event was attended by Consultant Gastroenterologists from across the Trust, Gastroenterology Trainees, Dietitians and IBD Nurse Specialists and members of the MWL Research Department.

Guest presenters were Dr Rajiv Chandy, Dr Kate Clark, Dr Ascanio Tridente and RDI Manager, Jeanette Anders.



It was a great opportunity to share and discuss the latest developments in Gastroenterology Research.

- 5.6 In December 2023 Trahan Malhotra (Lead Specialist Maxillofacial Prosthetist) at WSN successfully completed her NIHR Pre-Clinical and Practitioner Academic Fellowship; this is a great achievement and has encouraged her to apply for the NIHR Doctoral clinical Academic fellowship in June 2024.
- 5.7 Research Design Service - The NIHR Research Design Service provides a very good service in supporting staff in Research for Patient Benefit (RfPB) grant applications on a one-to-one basis. Interested members of staff are signposted to this service when required.
- 5.8 There was evidence that all staff had annual PDRs and appraisals, and evidence that staff had the opportunity to set objectives.
- 5.9 All of the RDI Department staff were issued with the research SOPs. They were asked to sign the training and reading log declaring that they had read and understood all of the SOPs.
- 5.10 RDI Department staff also attended various training sessions, seminars, to maintain knowledge and expertise in order to provide a good service, with appropriate advice and signposting to researchers, as well as ensuring quality data management and timely returns of performance data to the CRN, DOH and Trust Board as required.



## SECTION SIX: LINKS WITH OTHER GROUPS / PARTNERS

- 6.1 The Trust has links with key external stakeholders such as the CRN NWC, who provide funding from the National Institute of Health Research (NIHR), the research arm of the Department of Health. Regular business planning meetings with the Delivery Managers enable us to scope the NIHR portfolio and identify any potential new studies.
- 6.2 We are in a unique position at MWL to have the Marshalls Cross GP surgery based at our St Helens Hospital. We have continued to work with them and are still supporting them with their study finances. For the first time we have also worked with the team to recruit patients into two important hypertension commercial studies. This allows patients in the community setting access to research trials that would normally be out of their reach. The hypertension studies have also involved working with Professor Greg Lip from Liverpool Heart & Chest Hospital who are acting as a PIC site for these important studies. The collaboration between primary and secondary care has been acknowledged as a real positive by Astra Zeneca who are the sponsors of the studies. One of our Research Nurses has access to the GP EMIS system at Marshalls Cross surgery which allows her to run searches for eligible patients for recruitment into NIHR portfolio studies. Targeted searches have drastically cut down the amount of time that nurses spend on feasibility and ensures that we are not taking on studies that we are unable to recruit to. The practice has recruited to four NIHR portfolio studies during 2023/2024:

**Table 13 – Marshalls Cross GP Surgery recruiting studies during 2023/2024**

Study Title	
PROSPER Definitive study	PeRsOnaliSed care Planning for oldER people with frailty (PROSPER):
Chronology in multimorbidity clustering and its effect on treatment burden and the utilisation of health and social care services	The experiences of multimorbidity patients regarding treatment burden
Measuring Loneliness study	Snapshot of social isolation and loneliness
DIAMOND study	Programme developed specifically for people with type 2 Diabetes to help them to achieve remission from diabetes

- 6.3 The Trust has links with LHP (Liverpool Health Partners). The LHP R&D Directors Group is attended by the Chair of the MWL Research Development and Innovation Group. In December 2023 MWL also became a member of the Applied Research Collaboration, North West Coast (ARC), which aims to work in collaboration by bringing together academics, health and social care providers, members of the public, universities, and local authorities to improve the quality, delivery and efficiency of health and care services reduce health inequalities and increase the sustainability of the health and care system both locally and nationally. Dr Ascanio Tridente is the main link for this collaboration from MWL.
- 6.4 We have strengthened partnerships with local academic organisations, including Manchester Metropolitan, Edge Hill, and Liverpool Universities. Professor Greg Irving of the Health Research Institute and Director of the Edge Hill Primary and Integrated Care (EPIC), attended our Research team meeting to discuss how we can work together with academic and Trust researchers to produce good quality research that will benefit our patients in the future.

- 6.5 We have explored working with the phase 1 clinical trial centre based in the Liverpool University Hospital NHS Foundation Trust. After a successful tour of the unit and a meeting with key staff we are confident that going forward we can work together. This collaboration will allow us to offer our patients to take part in early phase studies and have access to the newest and most innovative treatments.
- 6.6 Our links with Clatterbridge Cancer Centre and our Cancer team at WSN were established and processes put in place to facilitate working together on certain cancer studies. However there has been little activity in 2023/2024.
- 6.7 We have developed partnerships with other local academic organisations, including Manchester Metropolitan University (MMU). Our RDI Clinical Director, Dr Ascanio Tridente, is working on various research projects with MMU, and is named as a co-applicant on a number of grant applications.
- 6.8 The Trust is a partner in the Innovation Agency Northwest Coast Academic Health Science Network (NWC AHSN) which aims to:
- Transform and improve patient outcomes
  - Improve quality and productivity
  - Drive economic growth and wealth creation
- 6.9 RDI is linked with the Quality Improvement and Clinical Audit Department as part of the Trust governance requirements.
- 6.10 The RDI Managers are members of the CRN NWC Research and Development Managers' Group. The purposes of the meetings are to share best practice, provide peer to peer support and to keep up to date with current development in the R&D community.
- 6.11 The RDI Department now has links with Library and Knowledge Service and has a specific section on their website where staff can now access information about research services and resources. The Research Twitter account is now well established.

## SECTION SEVEN: INNOVATION AT WSN

- 7.1 All members of staff are encouraged to solve clinical and service problems and to develop new ways of working which benefit patients and improve their care. Many innovations will not be patentable or copyrightable, but nevertheless have enormous potential benefits if successfully implemented. At MWL we are keen to provide staff with opportunities to pursue their ideas. Therefore, the Trust's RDI Department has responsibility for disseminating information on Intellectual Property (IP) rights, promoting awareness of those rights across the Trust, and offering advice as required to ensure activities are managed appropriately. The IP policy sets out the rules of ownership, protection and exploitation of IP arising from an employee's work. It aims to maintain a balance between the legitimate needs of the Trust to protect its interests and the provision of a creative, innovative working.
- 7.2 We received several enquires that have required the services of our independent IP Advisor. However, none of these have yet gone onto the development stage.
- 7.3 UK Research and Innovation works in partnership with universities, research organisations, businesses, charities, and government to create the best possible environment for research and innovation to flourish. We are working collectively with universities to submit grant applications to enable individuals and groups to pursue world-class research and innovation.

## SECTION EIGHT: CONCLUSIONS

- 8.1 In conclusion, this year has seen the merger of two Trusts with positive outcomes for the Research Development and Innovation Department at MWL. We have worked hard to align our systems and processes and have continued to perform exceptionally well.
- 8.2 We have secured funding from the CRN NWC to build a Research Hub at S&O and to further expand our Research Hub at WSN. The aim is to open both in May/June 2024.
- 8.3 Recruitment at both sites is the highest since 2018-2019, in total we have recruited 4384 participants to research studies at MWL.
- 8.4 We have had success with our commercial studies; we 26 randomized the first global patient to the RADIANT Study also meeting recruitment target, and we met the recruitment target for the Astra Zeneca “TILIA” study.
- 8.5 Having a varied portfolio of studies is of vital importance to the development of better health and care for our patients at MWL. During 2023/2024 MWL were top recruiters in a number of specialties across the NWC CRN. This demonstrates our commitment and hard work to ensure our patients are offered the opportunity to take part in cutting edge research.
- 8.6 It is reassuring to know that the majority of research studies taking place at MWL are high quality NIHR portfolio studies. These studies have been adopted onto the NIHR portfolio, have a clear value to the NHS and have undergone the rigorous protocol peer review required before they can be considered for NIHR CRN support.
- 8.7 There was a slight increase in the number of sponsored studies during 2023/2024, 9 studies were sponsored by WSN and one at S&O. Compared to 7 in the previous year for WSN and none for the S&O.
- 8.8 Partnerships with Edge Hill and Manchester Metropolitan Universities and Liverpool Universities were strengthened during 2023/2024. Professor Rowan Pritchard Jones, Dr Ascanio Tridente, Professor Kayvan Shokrollahi, Dr Greg Irving and Professor Gregory Lip are supporting PhD students on various research projects.
- 8.9 A major achievement was being ranked first again on the CRN NWC dashboard for the number of responses to the Patient Research Experience Survey. This shows our commitment to gaining important feedback that will allow us to improve our service and make taking part in research a positive experience. We received excellent feedback from our patients and research partners.
- 8.10 During 2023/2024 WSN secured £494,860.00 core funding and S&O secured £261,348.00. However it must be noted that this was static and there was no increase from the previous year. The funding from the NIHR CRN NWC doesn't take into account the incremental pay rises or any cost-of-living rises, therefore the funding envelope doesn't allow for growth. This has left us with a cost pressure which has been highlighted to both the CRN NWC and the Trust. The solution to this is to increase the amount of commercial research that we conduct which will allow us to generate more income to reinvest back into the RDI department and promote growth.
- 8.11 Regular business planning meetings have taken place with the CRN to discuss our performance and to identify new studies in the pipeline.

## SECTION NINE: RECOMMENDATIONS FOR 2024/2025

Our aims for 2024-2025 are to:

- 9.1 Release a 2-year interim Research Development and Innovation Strategy. The strategy will set clear goals and objectives that will enable us to promote a culture where RDI drives better patient care and improves the Trust's capacity, capability and delivery of clinical research. This will include an ambitious vision to expand our existing facilities and staff.
- 9.2 Work with the Integrated Care Systems (ICSs). In England, the Integrated Care Systems (ICSs) are partnerships between organisations to coordinate services and deliver healthcare in a way that improves population health and reduces inequalities between different groups within their region. Research and innovation should be considered as key contributors to this planning and coordination of services, ensuring equal access to research across an ICS footprint. In preparation for this we will update the Strategy in line with ICS and CRN NWC strategies.
- 9.3 Continue to increase the number of commercially sponsored studies, including exploring the opportunity to work with the Phase 1 Clinical Trials unit at Liverpool University Hospitals Foundation Trust.
- 9.4 Collaborate with other NHS organisations and Universities. These partnerships will allow us to seek out the best academic expertise to work with our staff and patients wherever possible to ensure that our patients benefit from world-class research.
- 9.5 Review options to expand our workforce to support the successful delivery of both commercial and non-commercial trials, including Paediatrics/Maternity.
- 9.6 Increase our patient recruitment into NIHR adopted clinical trials.
- 9.7 Explore research options in specialities which are not research active.
- 9.8 Perform thorough feasibility so that studies reach the NIHR high level objectives i.e. setting up studies quickly, recruiting to time and target. The money generated from meeting targets will be reinvested to develop capacity/resources for research within the Trust.
- 9.9 Further develop our Research Hubs. We will submit business cases to the Research Network for additional income when opportunities arise.
- 9.10 Maintain and expand robust procedures to initiate, deliver and manage research, thus increasing opportunities for patients to participate in high quality clinical research.
- 9.11 Merge the Research Standard Operating Procedures by June 2024.
- 9.12 Engage and communicate with patients and service users. We will ensure that the NIHR Patient Research Experience Survey is embedded into the patients' research journey. We will also feedback both positive and negative experiences, so that we can put action plans in place if necessary.
- 9.13 Continue to update our social media and website platforms to help promote research. In addition to this we will explore new ways of promoting research to ensure that we are visible as a Research Active Trust.

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## APPENDIX 1 - List of Research Studies with recruitment 23/24

Short Title	Managing Specialty	Recruits 23-24
AIRWAYS-3	Critical Care	6
ATNEC	Cancer	3
BiasED	Health Services Research	4
BSR-PsA	Musculoskeletal	8
Chapter Cohort Study	Reproductive Health and Childbirth	35
CHOSEN	Stroke	7
CONNECT 3	Respiratory Disorders	2
CP357 - Biatain Fiber Ag on burns	Trauma and Emergency Care	2
DAWN-P feasibility RCT (Version1)	Reproductive Health and Childbirth	31
Early Laser for Burn Scars (EL4BS)	Trauma and Emergency Care	6
EndoNET	Cancer	7
Febrile Infants - Diagnostic assessment and Outcome (FIDO)	Children	12
Fluids Exclusively Enteral from Day 1 (FEED1)	Children	1
GCA Consortium	Musculoskeletal	10
GEKO Venous Thromboembolism Prevention Study	Stroke	3
GenOMICC	Critical Care	5
Giant PANDA	Reproductive Health and Childbirth	7
GONDOMAR Version 1.0, Dated 18.05.2021	Gastroenterology	11
Hand-2: RCT of treatments for Dupuytren's contractures	Orthopaedics	7
HARMONIE	Children	16
Huawei Stroke Study	Stroke	56
HYST	Dermatology	9
IBD Bioresource	Gastroenterology	256
iGBS3	Reproductive Health and Childbirth	2817
IMID BioResource	Musculoskeletal	262
Measuring Loneliness Study	Primary Care	3
Melanoma Wide Excision Trial - MelMarT-II	Cancer	35
Metoclopramide for Avoiding Pneumonia after Stroke (MAPS-2) Trial	Stroke	1
MILOS - bempedoic acid / ezetimibe in hypercholesterolaemia	Cardiovascular	2
Molecular Genetics of Adverse Drug Reactions (MOLGEN)	Genetics	76
MOSAICC	Critical Care	1
Myeloma XIV (FITNEss)	Cancer	2
NAFLD BioResource	Hepatology	5
Omnipod 5 w/ Libre 2 vs MDI for Type 1 Diabetes in children and adults	Diabetes	6
OPTIMAS Trial	Stroke	7

Short Title	Managing Specialty	Recruits 23-24
ORION-4	Cardiovascular	16
Oxford Cognitive Screen - Visual Impairment adaptation	Stroke	207
PETS	Surgery	7
Positive Voices - Development and validation of a national survey of people with HIV	Infection	1
RADAR (UK-MRA Myeloma XV)	Cancer	1
RAPID-1	Surgery	2
RASPER	Respiratory Disorders	3
RECREATE: a cluster randomised trial	Stroke	4
Reducing medication-related harm (MRH) in older people (PRIME-3 Study)	Ageing	21
Routine testing for Group B Streptococcus	Reproductive Health and Childbirth	261
SEARCH - Visual scanning training for hemianopia	Stroke	5
Self-management in patients with adrenal insufficiency	Diabetes	10
SIGNET	Neurological Disorders	8
SPIROMAC	Children	9
Surgery or Cast for Injuries of the Epicondyle in Children's Elbows	Children	1
The ORION Trial	Surgery	4
The Tommy's National Rainbow Clinic Study	Reproductive Health and Childbirth	9
Toxicity from biologic therapy (BSRBR)	Musculoskeletal	4
Tozorakimab in patients hospitalized for pneumonia with hypoxemia at risk of respiratory failure	Critical Care	2
TRACS Liverpool Part 2	Ageing	21
TTTS Registry	Reproductive Health and Childbirth	2
UK Genetic Prostate Cancer Study	Cancer	5
UKIVAS	Musculoskeletal	25
UK-ROX	Critical Care	31
WHITE 11- FRUITI	Trauma and Emergency Care	4





## APPENDIX 2 - Staff Publications – 2023-2024 Whiston, St Helens and Newton site

- **Article**

The articles included in this document were discovered (through alerts set up on various medical databases or via staff informing us of a new publication) between April 2023 and the end of March 2024. Please note the publication date given as they may have been published outside of these dates (it can take a long time for articles to appear in databases). We always include the articles within the year we discovered them as they will not have been included in the previous year's data)

- **Article type**

This can be one of the following:

- Conference abstracts/posters
- Case studies/Case series (including ones with lit reviews)
- Research articles (any type of research, including qualitative and systematic reviews)
- Letters/comments/editorials/book reviews

- **Staff Group**

- This is based on ESR Staff Groups.
- The staff group selected is based on either the staff group of the corresponding author (if STHK staff) or from the first name STHK author in the author list.
- The term collaborator is used for a member of staff listed as part of a research group participating in the research article, but not listed as an author.

- **Impact Factor**

- This is taken from the relevant journal's website and is correct on the day the article was added to the staff publications list.
- If an impact factor isn't provided on the journal's website it will be listed as N/A (not available)
- Some journals only provide a 2-Year and 5-Year Journal, these are also listed here as N/A (not available)

Reference	Article Type	Professional Group	1-Year Impact Factor
Ahmed, A; Okecha, E; Fishwick, L; Tomson-Glover, R. (2023). <b>P165 Rates of isolated extragenital chlamydia trachomatis and neisseria gonorrhoeae in heterosexual patients attending a sexual health clinic.</b> <i>Sexually Transmitted Infections</i> . 99(Suppl 1). [Online]. Available at: <a href="https://dx.doi.org/10.1136/sextrans-BASHH-2023.202">https://dx.doi.org/10.1136/sextrans-BASHH-2023.202</a> [Accessed 3 January 2024].	Conference abstract/posters	Medical and Dental	3.6
Ahmed, HE; Wharton, D (Collaborator); Rana, R (Collaborator); McAllister, R (Collaborator); Sasi, S (Collaborator); Thomas, T (Collaborator). (2023). <b>Lack of regional pathways impact on surgical delay: Analysis of the Orthopaedic Trauma Hospital Outcomes&amp;ndash;Patient Operative Delays (ORTHOPOD) study.</b> <i>Injury</i> . 54(12), p.111007. [Online]. Available at: <a href="https://doi.org/10.1016/j.injury.2023.111007">https://doi.org/10.1016/j.injury.2023.111007</a> [Accessed 12 January 2024]	Research Article	Medical and Dental	2.5
Ali, A; Gul, W, et al. (2024). <b>Evaluating the utility of quantitative pupillometry in a neuro-critical care setting for the monitoring of intracranial pressure: A prospective cohort study.</b> <i>Clinical neurology an neurosurgery</i> . 239. article 108215. [Online]. Available at: <a href="https://doi.org/10.1016/j.clineuro.2024.108215">https://doi.org/10.1016/j.clineuro.2024.108215</a> [Accessed 4 April 2024]	Research Article	Medical and Dental	1.9
Allcoat, A. (2023). <b>P40 Re-engagement of haemochromatosis service users to provide best practice.</b> <i>Gut</i> . 72(Suppl 2), pp.A66-A67. [Online]. Available at: <a href="https://doi.org/10.1136/gutjnl-2023-BSG.112">https://doi.org/10.1136/gutjnl-2023-BSG.112</a> [Accessed 15 December 2023]	Conference abstracts/posters	Medical and Dental	24.5
Alobaida, M; Abdul-Rahim, A. (2023). <b>642 Impact of bridging therapy vs endovascular thrombectomy alone on outcomes in anticoagulated patients with atrial fibrillation presenting with mild-moderate ischaemic stroke.</b> <i>European Stroke Journal</i> . 8(Suppl 2), pp.102-103. [Online]. Available at: <a href="https://journals.sagepub.com/doi/10.1177/23969873231169660">https://journals.sagepub.com/doi/10.1177/23969873231169660</a> [Accessed 30 October 2023]	Conference abstracts/posters	Medical and Dental	6.1
Atayi, AA; Omar, AM; Floyd Jr, MS. (2023). <b>Preputial advancement flap for delayed urethrocutaneous fistula of the glans following urethral insertion of an 'AAA' battery.</b> <i>Urologia Journal</i> . epub 25 July. [Online]. Available at: <a href="https://doi.org/10.1177/03915603231189026">https://doi.org/10.1177/03915603231189026</a> [Accessed 15 December 2023]	Research Article	Medical and Dental	N/A

Atkin, C; Ragit, V et al. (2023). <b>Performance of admission pathways within acute medicine services: Analysis from the Society for Acute Medicine Benchmarking Audit 2022 and comparison with performance 2019 - 2021.</b> <i>European Journal of Internal Medicine.</i> 118, pp.89-97. [Online]. Available at: <a href="https://doi.org/10.1016/j.ejim.2023.07.038">https://doi.org/10.1016/j.ejim.2023.07.038</a> [Accessed 15 December 2023]	Research Article	Medical and Dental	8
Atkin, C; Varia, R; et al. (2023). <b>Performance of admission pathways within acute medicine services: Analysis from the Society for Acute Medicine Benchmark Audit 2022 and comparison with performance 2019 - 2021.</b> <i>European Journal of Internal Medicine.</i> 118(1), pp.89-97. [Online]. Available at: <a href="https://dx.doi.org/10.1016/j.ejim.2023.07.038">https://dx.doi.org/10.1016/j.ejim.2023.07.038</a> [Accessed 3 January 2024].	Research Article	Medical and Dental	8
Baillie, S; Bassi, Ash et al. (2023). <b>Opioid use and associated factors in 1676 patients with inflammatory bowel disease: a multicentre quality improvement project.</b> <i>Frontline Gastroenterology.</i> epub 14 June. [Online]. Available at: <a href="https://fg.bmj.com/content/early/2023/06/13/flgastro-2023-102423">https://fg.bmj.com/content/early/2023/06/13/flgastro-2023-102423</a> [Accessed 11 September 2023]	Research Article	Medical and Dental	2.6
Bamal, R; Alnobani, O; Bastouros, E; Nolan, G; Morris, E; Griffiths, S; Bell, D. (2023). <b>Wide-Awake Local Anesthesia No Tourniquet (WALANT) for Flexor Tendon Repairs as Change in Practice During the COVID-19 Pandemic: A Retrospective Cohort Study With Outcomes.</b> <i>Cureus.</i> 15(3), p.e36728. [Online]. Available at: <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10131134/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10131134/</a> [Accessed 27 June 2023]	Research Article	Medical and Dental	N/A
Bamal, R; Sultan, R; Cappuyns, L; Hassan, Z; McArthur, P. (2023). <b>Use of volar distal radius plate dorsally for wrist arthrodesis in patients with upper limb spasticity: A retrospective Review.</b> <i>Journal of Plastic, Reconstructive &amp; Aesthetic Surgery.</i> 83(.), pp.318-325. [Online]. Available at: <a href="https://www.sciencedirect.com/science/article/abs/pii/S1748681523002504">https://www.sciencedirect.com/science/article/abs/pii/S1748681523002504</a> [Accessed 11 September 2023].	Research Article	Medical and Dental	2.7
Bioletti, L, Woodward, C et al. (2024). <b>Assessing and further developing age-appropriate information for young people about reporting suspected adverse drug reactions.</b> <i>British Journal of Clinical Pharmacology.</i> 90(3), pp.863-870. [Online]. Available at: <a href="https://doi.org/10.1111/bcp.15971">https://doi.org/10.1111/bcp.15971</a> [Accessed 4 April 2024]	Research Article	Medical and Dental	5.8
Black, C et al; Oliver, A (Collaborator). (2023). <b>Feasibility of mobilisation in ICU: a multi-centre point prevalence study of mobility practices in the UK.</b> <i>Critical Care.</i> 27(1), Article Number: 217. [Online]. Available at: <a href="https://doi.org/10.1186/s13054-023-04508-4">https://doi.org/10.1186/s13054-023-04508-4</a> [Accessed 1 March 2024]	Research Article	Allied Health Professional	N/A

Borthwick, M; Barton, G et al. (2023). <b>Critical care pharmacy workforce: a 2020 re-evaluation of the UK deployment and characteristics.</b> <i>Human Resources for Health</i> . 21(28). [Online]. Available at: <a href="https://human-resources-health.biomedcentral.com/articles/10.1186/s12960-023-00810-y">https://human-resources-health.biomedcentral.com/articles/10.1186/s12960-023-00810-y</a> [Accessed 21 April 2023]	Research Article	APST	N/A
Bucci, T; Abdul-Rahim, A et al. (2023). <b>Epilepsy-Heart Syndrome: Incidence and Clinical Outcomes of Cardiac Complications in patients with Epilepsy.</b> <i>Current Problems in Cardiology</i> . e-pub 7 June, Article Number: 101868. [Online]. Available at: <a href="https://doi.org/10.1016/j.cpcardiol.2023.101868">https://doi.org/10.1016/j.cpcardiol.2023.101868</a> [Accessed 9 June 2023]	Research Article	Medical and Dental	4.2
Bucci, T; Abdul-Rahim, AH et al. (2024). <b>Albumin Levels and Risk of Early Cardiovascular Complications After Ischemic Stroke: A Propensity-Matched Analysis of a Global Federated Health Network.</b> <i>Stroke</i> . epub 7 Feb. [Online]. Available at: <a href="https://doi.org/10.1161/STROKEAHA.123.044248">https://doi.org/10.1161/STROKEAHA.123.044248</a> [Accessed 8 February 2024]	Research Article	Medical and Dental	8.4
Buckley, BJR; Harrison, S; Hill, A; Underhill, P; Lane, DA; Lip, GYH. (2023). <b>Stroke-heart syndrome: sex-specific incidence, risk factors, and major adverse cardiovascular events in 486,515 patients.</b> <i>European Heart Journal</i> . 43(Suppl 2), p.2323. [Online]. Available at: <a href="https://doi.org/10.1093/eurheartj/ehac544.2323">https://doi.org/10.1093/eurheartj/ehac544.2323</a> [Accessed 28 April 2023]	Conference abstracts/posters	Medical and Dental	39.3
Buckley, FJR; Hill, A et al. (2023). <b>Stroke–heart syndrome: mechanisms, risk factors, and adverse cardiovascular events.</b> <i>European Journal of Preventive Cardiology</i> . epub 28 June. [Online]. Available at: <a href="https://doi.org/10.1093/eurjpc/zwad211">https://doi.org/10.1093/eurjpc/zwad211</a> [Accessed 30 October 2023]	Letters/comments/editorials /book reviews	Medical and Dental	8.3
Cameron, A.C.; Lip, Y.H.; Abdul-Rahim, AH. (2023). <b>Machine-learning derived heart and brain age are independently associated with cognition.</b> <i>European Journal of Neurology</i> . epub 23 June. [Online]. Available at: <a href="https://doi.org/10.1111/ene.15953">https://doi.org/10.1111/ene.15953</a> [Accessed 26 June 2023]	Letters/comments/editorials /book reviews	Medical and Dental	5.1
Cameron, AC and Abdul-Rahim, AH. (2023). <b>The Optimal Management for People with Acute Stroke and Minor Deficits: Intravenous Thrombolysis or Medical Management?</b> <i>Thrombosis and Haemostasis</i> . e-pub 12 May. [Online]. Available at: <a href="https://www.thieme-connect.de/products/ejournals/abstract/10.1055/a-2077-5642">https://www.thieme-connect.de/products/ejournals/abstract/10.1055/a-2077-5642</a> [Accessed 12 June 2023]	Letters/comments/editorials /book reviews	Medical and Dental	6.7

Chaddock, NJM et al Dawson, G (Collaborator). (2024). <b>Exploration of the circulating human secretome through protein quantitative trait analysis identifies an association between circulating levels of apolipoprotein L1 and risk of giant cell arteritis.</b> <i>medRxiv</i> . epub 21 Jan. [Online]. Available at: <a href="https://doi.org/10.1101/2024.01.19.24301534">https://doi.org/10.1101/2024.01.19.24301534</a> [Accessed 4 April 2024]	Research Article	Medical and Dental	N/A
Collings, S; Christian, S; Pankaja, S; McNulty, S; Davies, H; Milne, R; Gallagher, C; Bujawansa, S. (2023). <b>P281 Impact of pre-pregnancy counselling on HbA1c level and pregnancy outcomes in women with pre-existing diabetes.</b> <i>Diabetic Medicine</i> . 40(Suppl 1), p.151. [Online]. Available at: <a href="https://dx.doi.org/10.1111/dme.15048">https://dx.doi.org/10.1111/dme.15048</a> [Accessed 11 July 2023]	Conference abstracts/posters	Medical and Dental	3.5
Crabtree, TSJ; Furlong, N et al. (2023). <b>Hybrid Closed-Loop Therapy in Adults With Type 1 Diabetes and Above-Target HbA1c: A Real-world Observational Study.</b> <i>Diabetes Care</i> . 46(10), pp.1831-1838. [Online]. Available at: <a href="https://doi.org/10.2337/dc23-0635">https://doi.org/10.2337/dc23-0635</a> [Accessed 15 December 2023]	Research Article	Medical and Dental	16.2
Dave, RV; Pushdary, K (Collaborator) et al. (2023). <b>Bridging pre-surgical endocrine therapy for breast cancer during the COVID-19 pandemic: outcomes from the B-MaP-C study.</b> <i>Breast Cancer Research and Treatment</i> . 199(.), pp.265-279. [Online]. Available at: <a href="https://link.springer.com/article/10.1007/s10549-023-06893-4">https://link.springer.com/article/10.1007/s10549-023-06893-4</a> [Accessed 11 July 2023]	Research Article	Medical and Dental	3.8
Davies, JC et al and collaborators including Dawson, J; McCaffrey, P; Graham, D; Williams, E; Clewes, A; Hornby, N. (2021). <b>A panel of urinary proteins predicts active lupus nephritis and response to rituximab treatment.</b> <i>Rheumatology</i> . 60(8), pp.3747-3759. [Online]. Available at: <a href="https://academic.oup.com/rheumatology/article/60/8/3747/6031908">https://academic.oup.com/rheumatology/article/60/8/3747/6031908</a> [Accessed 11 September 2023].	Research Article	Medical and Dental	5.5
Downes, C; Charlesworth, M. (2024). <b>Mechanical circulatory support and its implications for anaesthesia and critical care.</b> <i>Anaesthesia and Intensive Care Medicine</i> . 25(3), pp.180-184. [Online]. Available at: <a href="https://doi.org/10.1016/j.mpaic.2023.11.013">https://doi.org/10.1016/j.mpaic.2023.11.013</a> [Accessed 4 April 2024]	Research Article	Medical and Dental	0.5
Elsheikh, S; Hill, A; Irving, G; Lip, GYH; Abdul-Rahim, AH. (2023). <b>Atrial Fibrillation and Stroke: State-of-the-art and future directions.</b> <i>Current Problems in Cardiology</i> . epub 31 Oct. [Online]. Available at: <a href="https://doi.org/10.1016/j.cpcardiol.2023.102181">https://doi.org/10.1016/j.cpcardiol.2023.102181</a> [Accessed 31 October 2023]	Research Article	Medical and Dental	4.2

Elsheikh, S; Irving, G; Hill, A; Abdul-Rahim, AH. et al (2024). <b>Left Atrial Appendage Occlusion Versus Direct Oral Anticoagulants in the Prevention of Ischaemic Stroke in Patients with Atrial Fibrillation.</b> <i>Cerebrovascular Diseases</i> . epub 2 Feb. [Online]. Available at: <a href="https://doi.org/10.1159/000536546">https://doi.org/10.1159/000536546</a> [Accessed 8 February 2024]	Research Article	Medical and Dental	2.9
Faraz, A; Khan, S et al. (2023). <b>Carpal Tunnel Decompression Under Wide Awake Local Anaesthesia No Tourniquet Technique (WALANT): A Cost Effective and Outcome Analysis.</b> <i>Cureus</i> . 15(7), p.e42125. [Online]. Available at: <a href="https://doi.org/10.7759%2Fcureus.42125">https://doi.org/10.7759%2Fcureus.42125</a>	Research Article	Medical and Dental	N/A
Fedail, A; Thomas, L. (2023). <b>P250 RNASeq identifies differential gene expression in colorectal and duodenal adenomas in familial adenomatous polyposis (FAP).</b> <i>Gut</i> . 72(Suppl 2), pp.A181-A182. [Online]. Available at: <a href="https://doi.org/10.1136/gutjnl-2023-BSG.318">https://doi.org/10.1136/gutjnl-2023-BSG.318</a> [Accessed 15 December 2023]	Conference abstracts/posters	Medical and Dental	24.5
Floyd Jr, MS. (2023). <b>Anastomotic Urethroplasty: The Whiston Hospital experience.</b> <i>European Urology Open Science</i> . 55(Suppl 1), pp.S5-S6. [Online]. Available at: <a href="https://doi.org/10.1016/S2666-1683(23)00935-7">https://doi.org/10.1016/S2666-1683(23)00935-7</a> [Accessed 4 April 2024]	Conference abstract/posters	Medical and Dental	2.5
Gallagher, CG; Christian, SC; Pankaja, SP; McNulty, SM; Davies, HD; Milne, RM; Bujawansa, SB. (2023). <b>P277 Patient and public involvement (PPI) exploring the experiences of women with gestational diabetes attending a joint diabetes antenatal clinic.</b> <i>Diabetic Medicine</i> . 40(S1), p.149. [Online]. Available at: <a href="https://doi.org/10.1111/dme.15048">https://doi.org/10.1111/dme.15048</a> [Accessed 31 July 2023]	Conference abstracts/posters	AHP	3.5
Gnanasambanthan, S; Kohli, S et al. (2023). <b>The impact of socioeconomic deprivation on the prevalence of gestational diabetes: An observational study.</b> <i>Obstetric Medicine</i> . epub 14 Nov. [Online]. Available at: <a href="https://doi.org/10.1177/1753495X231213920">https://doi.org/10.1177/1753495X231213920</a> [Accessed 16 January 2024]	Research Article	Medical and Dental	0.7
Gomersall, Jenny; Mortimer, Kalani; Hassan, Deniz; Shokorallahi, Kayvan; et al. (2024). <b>Ten-Year Analysis of Bacterial Colonisation and Outcomes of Major Burn Patients with a Focus on Pseudomonas aeruginosa.</b> <i>Microorganisms</i> . 12(1), pp.42-43. [Online]. Available at: <a href="https://doi.org/10.3390/microorganisms12010042">10.3390/microorganisms12010042</a> [Accessed 8 February 2024].	Research Article	Medical and Dental	4.5
Goodall, JW; Katira, R. (2022). <b>Patient satisfaction with telephone consultations in cardiology outpatients during the COVID-19 pandemic.</b> <i>The British Journal of Cardiology</i> . 29(4), pp.150-153. [Online]. Available at: <a href="https://bjcardio.co.uk/2022/11/patient-satisfaction-with-telephone-consultations-in-cardiology-outpatients-during-the-covid-19-pandemic/">https://bjcardio.co.uk/2022/11/patient-satisfaction-with-telephone-consultations-in-cardiology-outpatients-during-the-covid-19-pandemic/</a> [Accessed 30 October 2023]	Research Article	Medical and Dental	N/A

Hague, A; Platford, B; Rehman, S; Howes, A; Brackley, P. (2023). <b>Multi-nodal basin drainage in lower limb melanoma.</b> <i>JPRAS Open</i> . 39(.), pp.71-74. [Online]. Available at: <a href="https://doi.org/10.1016/j.jptra.2023.11.009">https://doi.org/10.1016/j.jptra.2023.11.009</a> [Accessed 2 February 2024]	Letters/comments/editorials /book reviews	Medical and Dental	1.3
Harnett, C; Al-Jubouri, M; Meah, N. (2023). <b>Delayed diagnosis of a scaling genodermatosis.</b> <i>BMJ Case Reports</i> . 16(5), Article Number: e253838. [Online]. Available at: <a href="http://dx.doi.org/10.1136/bcr-2022-253838">http://dx.doi.org/10.1136/bcr-2022-253838</a> [Accessed 11 July 2023]	Case studies/Case series	Medical and Dental	N/A
Harrison, NL et al. (2023). <b>Haemorrhagic cholecystitis in a young patient, complicated by gallbladder perforation and choledocholithiasis.</b> <i>BMJ Case Reports</i> . 16(10), Article Number: e257389. [Online]. Available at: <a href="https://doi.org/10.1136/bcr-2023-257389">https://doi.org/10.1136/bcr-2023-257389</a> [Accessed 12 January 2024]	Case studies/Case series	Medical and Dental	N/A
Harrison, NL; Santoro, G; Ellerby, N; Samad, A. (2023). <b>Small bowel obstruction secondary to phytobezoar in a patient with myotonic dystrophy..</b> <i>BMJ Case Reports</i> . 16(10). [Online]. Available at: <a href="https://dx.doi.org/10.1136/bcr-2023-255895">https://dx.doi.org/10.1136/bcr-2023-255895</a> [Accessed 5 January 2024].	Case studies/Case series	Medical and Dental	N/A
Heald, A; Narayan, R.P; et al. (2023). <b>A Longitudinal Clinical Trajectory Analysis Examining the Accumulation of Co-morbidity in People with Type 2 Diabetes (T2D) Compared with Non-T2D Individuals.</b> <i>Diabetes Therapy</i> . 14, pp.1903-1913. [Online]. Available at: <a href="https://dx.doi.org/10.1007/s13300-023-01463-9">https://dx.doi.org/10.1007/s13300-023-01463-9</a> [Accessed 4 January 2024].	Research Article	Medical and Dental	3.8
Heald, A; Narayanan, RP et al. (2023). <b>A study to investigate genetic factors associated with weight gain in people with diabetes: analysis of polymorphisms in four relevant genes.</b> <i>Adipocyte</i> . 12(1), p.2236757. [Online]. Available at: <a href="https://doi.org/10.1080/21623945.2023.2236757">https://doi.org/10.1080/21623945.2023.2236757</a> [Accessed 15 December 2023]	Research Article	Medical and Dental	3.3
Hepworth, LR; Liptrot, M et al. (2023). <b>Validation of the brain injury associated visual impairment - impact questionnaire (BIVI-IQ).</b> <i>Quality of Life Research</i> . 33. pp.777-791. [Online]. Available at: <a href="https://doi.org/10.1007/s1136-023-03565-0">https://doi.org/10.1007/s1136-023-03565-0</a> [Accessed 4 April 2024]	Research Article	Allied Health Professional	3.5
Hindocho, A; Brennan, L; et al. (2023). <b>369 The role of children's hospitals in reducing health inequalities: a review of organisational policies.</b> <i>Archives of Disease in Childhood</i> . 108(Suppl 2). [Online]. Available at: <a href="https://dx.doi.org/10.1136/archdischild-2023-rcpch.187">https://dx.doi.org/10.1136/archdischild-2023-rcpch.187</a> [Accessed 3 January 2024].	Conference abstract/posters	Medical and Dental	5.2

Holland, D; Green, L; et al. (2023). <b>Is the Current Cut Point for Glycated Haemoglobin (HbA1c) Correct for Diagnosing Diabetes Mellitus in Premenopausal Women? Evidence to Inform Discussion.</b> <i>Diabetes Therapy</i> . Epub 30 September(1). [Online]. Available at: <a href="https://dx.doi.org/10.1007/s13300-023-01482-6">https://dx.doi.org/10.1007/s13300-023-01482-6</a> [Accessed 5 January 2024].	Research Article	Medical and Dental	3.8
Howarth, S; Thompson, A; Beck, D. (2023). <b>P 12.018 Specialist Palliative Care at the Front Door.</b> <i>Palliative Medicine</i> . 37(Suppl 1), p.207. [Online]. Available at: <a href="https://journals.sagepub.com/doi/10.1177/02692163231172891">https://journals.sagepub.com/doi/10.1177/02692163231172891</a> [Accessed 30 October 2023]	Conference abstracts/posters	Nursing and Midwifery	4.4
Howlett, DC; Retnasingam, G et al. (2023). <b>Radiology reporting of incidental osteoporotic vertebral fragility fractures present on CT studies: results of UK national re-audit.</b> <i>Clinical Radiology</i> . 78(12), pp.E1041-1047. [Online]. Available at: <a href="https://doi.org/10.1016/j.crad.2023.09.004">https://doi.org/10.1016/j.crad.2023.09.004</a> [Accessed 12 January 2024]	Research Article	Medical and Dental	2.6
Kaul, A (Collaborator) et al. (2023). <b>Exploring the cost-effectiveness of high versus low perioperative fraction of inspired oxygen in the prevention of surgical site infections among abdominal surgery patients in three low- and middle-income countries.</b> <i>BJA Open</i> . 7, 100207. [Online]. Available at: <a href="https://doi.org/10.1016%2Fj.bjao.2023.100207">https://doi.org/10.1016%2Fj.bjao.2023.100207</a> [Accessed 21 December 2023]	Research Article	Medical and Dental	N/A
Kayode-Awe, O; Garr, R. (2023). <b>An audit of admission into a high-dependency unit of a large district general hospital. Is there compliance with national guidance.</b> <i>Archives of Disease In Childhood</i> . 108(Suppl 2), pp.339-340. [Online]. Available at: <a href="https://dx.doi.org/10.1136/archdischild-2023-rcpch.536">https://dx.doi.org/10.1136/archdischild-2023-rcpch.536</a> [Accessed 3 January 2024].	Conference abstract/posters	Medical and Dental	5.2
Kazmi, A; Moussa, A; Meah, M et al. (2023). <b>Switching between tofacitinib and baricitinib in alopecia areata: A review of clinical response.</b> <i>Journal of the American Academy of Dermatology</i> . epub 05 April. [Online]. Available at: <a href="https://doi.org/10.1016/j.jaad.2023.03.041">https://doi.org/10.1016/j.jaad.2023.03.041</a> [Accessed 28 April 2023]	Letters/comments/editorials /book reviews	Medical and Dental	13.8
Khalil, K; Sooriyamoorthy, T. (2023). <b>A bibliometric analysis of publication trends in UK plastic surgery.</b> <i>JPRAS Open</i> . 36(June), pp.85-88. [Online]. Available at: <a href="https://doi.org/10.1016/j.jprra.2023.04.003">https://doi.org/10.1016/j.jprra.2023.04.003</a> [Accessed 11 July 2023]	Letters/comments/editorials /book reviews	Medical and Dental	1.3
Kiely, AL; Griffin, M; Jeon, FHK; Nolan, GS; Butler, PE. (2023). <b>Phalangeal and Metacarpal Fractures in Children: A 10-Year Comparison of Factors Affecting Functional Outcomes in 313 Patients.</b> <i>Journal of Hand and Microsurgery</i> .	Research Article	Medical and Dental	0.4



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Lea, N; Lloyd, M; Bennett, N. (2023). <b>446 A qualitative exploration using focus groups, of the perceived barriers and enablers of hospital pharmacists to participating in simulation-based training.</b> <i>International Journal of Pharmacy Practice</i> . 31(Suppl 1), pp.i7-i8. [Online]. Available at: <a href="https://doi.org/10.1093/ijpp/riad021.008">https://doi.org/10.1093/ijpp/riad021.008</a> [Accessed 11 July 2023]	Conference abstracts/posters	Nursing and Midwifery	1.8
Lee, TS; Pritchard-Jones, R et al. (2024). <b>Leg Lymphoedema After Inguinal and Ilio-Inguinal Lymphadenectomy for Melanoma: Results from a Prospective, Randomised Trial.</b> <i>Annals of Surgical Oncology</i> . epub 17 March. [Online]. Available at: <a href="https://doi.org/10.1245/s10434-024-15149-4">https://doi.org/10.1245/s10434-024-15149-4</a> [Accessed 4 April 2024]	Research Article	Medical and Dental	3.7
Lewis, GA; Cardwell, J; Hardy, KJ. (2023). <b>Mortality from diabetic kidney disease before and during the COVID pandemic.</b> <i>Diabetologia</i> . 66(Suppl 1), pp.S466-S467. [Online]. Available at: <a href="https://doi.org/10.1007/s00125-023-05969-6">https://doi.org/10.1007/s00125-023-05969-6</a> [Accessed 12 January 2024]	Conference abstract/posters	Nursing and Midwifery	8.2
Magara, MS; Chagla, LS et al. (2023). <b>Factors leading to the late diagnosis and poor outcomes of breast cancer in Matabeleland South and the Bulawayo Metropolitan Provinces in Zimbabwe.</b> <i>PLoS ONE</i> . 18(11), Article Number: e0292169. [Online]. Available at: <a href="https://doi.org/10.1371/journal.pone.0292169">https://doi.org/10.1371/journal.pone.0292169</a> [Accessed 12 January 2024]	Research Article	Medical and Dental	N/A
Malagon, P; Taghizadeh, R; Torrano, L; Gonzalez, J. (2023). <b>A new protocol for improving immediate monitoring of skin-island free flap with near-infrared spectroscopy and ultrasound.</b> <i>JPRAS</i> . 83(August), pp.334-342. [Online]. Available at: <a href="https://doi.org/10.1016/j.bjps.2023.04.029">https://doi.org/10.1016/j.bjps.2023.04.029</a> [Accessed 21 June 2023].	Research Article	Medical and Dental	2.7
Mallalieu, K; Adams, S; et al. (2023). <b>Incidence of Incisional Hernia Post-Colorectal Liver Metastasis Resection - a Longitudinal Radiological Cohort Study.</b> <i>British Journal of Surgery</i> . 110(Suppl 7). [Online]. Available at: <a href="https://dx.doi.org/10.1093/bjs/znad258.463">https://dx.doi.org/10.1093/bjs/znad258.463</a> [Accessed 5 January 2024].	Conference abstract/posters	Medical and Dental	9.6
Martiniano, R; Aloraifi, F et al. (2024). <b>Ancient genomes illuminate Eastern Arabian population history and adaptation against malaria.</b> <i>Cell Genomics</i> . 4(3), Article Number: 100507. [Online]. Available at: <a href="https://www.cell.com/cell-genomics/fulltext/S2666-979X(24)00034-X">https://www.cell.com/cell-genomics/fulltext/S2666-979X(24)00034-X</a> [Accessed 4 April 2024]	Research Article	Medical and Dental	N/A

Masterton, G; Evans, N. (2024). <b>Do we fully understand the impact of cosmetic surgery on our NHS and are we planning for the increased burden?</b> . <i>JPRAS</i> . 88, p.500. [Online]. Available at: <a href="https://doi.org/10.1016/j.bjps.2023.11.044">https://doi.org/10.1016/j.bjps.2023.11.044</a> [Accessed 12 January 2024].	Letters/comments/editorials /book reviews	Medical and Dental	2.7
Masterton, G; Evans, N. (2024). <b>Letter to the editor regarding are plastic surgery trainees accurate assessors of their own microsurgical skill?</b> . <i>JPRAS Open</i> . 39, pp.93-94. [Online]. Available at: <a href="https://doi.org/10.1016/j.jpra.2023.12.001">https://doi.org/10.1016/j.jpra.2023.12.001</a> [Accessed 12 January 2024].	Letters/comments/editorials /book reviews	Medical and Dental	1.3
McNulty, S; Milne, R; Gallagher, C; Pankajar, S; Christian, S; Davies, H; Bujawansa, S. (2023). <b>P137 Follow up screening for diabetes after gestational diabetes 2019 versus 2022</b> . <i>Diabetic Medicine</i> . 40(S1), pp.94-95. [Online]. Available at: <a href="https://doi.org/10.1111/dme.15048">https://doi.org/10.1111/dme.15048</a> [Accessed 31 July 2023].	Conference abstracts/posters	Medical and Dental	3.5
McNulty, S; Westall, S; Narayanan, RP; Irving, G; Furlong, N; Bujawansa, S; T; Cardwell, J; Hardy, K et al. (2023). <b>P303 Explicit glycated haemoglobin goals improve subsequent HbA1c levels with no impact on health-related quality of life</b> . <i>Diabetic Medicine</i> . 40(S1), pp.158-159. [Online]. Available at: <a href="https://doi.org/10.1111/dme.15048">https://doi.org/10.1111/dme.15048</a> [Accessed 31 July 2023].	Conference abstracts/posters	Medical and Dental	3.5
Meah, NA; Wai, H; Bhamidipati, KR. (2022). <b>COVID-19 related myopericarditis and cardiac tamponade: a diagnostic conundrum</b> . <i>The British Journal of Cardiology</i> . 29(4), pp.155-157. [Online]. Available at: <a href="https://bjcardio.co.uk/2022/11/covid-19-related-myopericarditis-and-cardiac-tamponade-a-diagnostic-conundrum/">https://bjcardio.co.uk/2022/11/covid-19-related-myopericarditis-and-cardiac-tamponade-a-diagnostic-conundrum/</a> [Accessed 30 October 2023]	Case studies/Case series	Medical and Dental	N/A
Milne, R; McNulty, S; Pankaja, S; Davies, H; Gallagher, C; Christian, S; Bujawansa, S. (2023). <b>P280 pact of introducing an intensive support package alongside continuous glucose monitoring on neonatal outcomes and on glycaemic control of pregnant women with type 1 diabetes: A single-centre retrospective study</b> . <i>Diabetic Medicine</i> . 40(Suppl 1), p.150. [Online]. Available at: <a href="https://doi.org/10.1111/dme.15048">https://doi.org/10.1111/dme.15048</a> [Accessed 11 July 2023]	Conference abstracts/posters	Nursing and Midwifery	3.5
Mohan, R; Kwaees, T; Thomas, T; Pydisetty, R. (2023). <b>Cohort study of short-term outcomes after ACL-reconstruction using autograft with internal brace reinforcement versus isolated autograft demonstrating no significant difference</b> . <i>Journal of Orthopaedics</i> . 43, pp.115-120. [Online]. Available at: <a href="https://doi.org/10.1016/j.jor.2023.07.030">https://doi.org/10.1016/j.jor.2023.07.030</a> [Accessed 15 December 2023]	Research Article	Medical and Dental	1.5

Moori, P; Cappuyns, L; Shokrollahi, K. (2024). <b>Carbon dioxide laser for precise and bloodless contouring of soft tissue ahead of skin grafting–A case example of technique and benefits.</b> <i>JPRAS Open</i> . 40, pp.106-110. [Online]. Available at: <a href="https://doi.org/10.1016/j.jpra.2024.02.009">https://doi.org/10.1016/j.jpra.2024.02.009</a> [Accessed 4 April 2024]	Research Article	Medical and Dental	1.3
Moussa, A; Meah, N et al. (2024). <b>The Alopecia Areata Severity and Morbidity Index (ASAMI) Study: Results From a Global Expert Consensus Exercise on Determinants of Alopecia Areata Severity.</b> <i>JAMA Dermatology</i> . epub 7 Feb. [Online]. Available at: <a href="https://doi.org/10.1001/jamadermatol.2023.5869">10.1001/jamadermatol.2023.5869</a> [Accessed 8 March 2024]	Research Article	Medical and Dental	10.9
Munir, U; Mabrouk, A; Morgan, S. (2024). <b>Hallux Varus.</b> [Online]. <i>StatPearls</i> . Last Updated: 08 August 2023. Available at: <a href="https://www.ncbi.nlm.nih.gov/books/NBK470261/">https://www.ncbi.nlm.nih.gov/books/NBK470261/</a> [Accessed 4 April 2024]	Research Article	Medical and Dental	N/A
Munir, U; Tafti, D; Morgan, S. (2024 Jan). <b>Morton Neuroma.</b> [Online]. <i>StatPearls</i> . Last Updated: 22 May 2023. Available at: <a href="https://www.ncbi.nlm.nih.gov/books/NBK470249/">https://www.ncbi.nlm.nih.gov/books/NBK470249/</a> [Accessed 4 April 2024]	Research Article	Medical and Dental	N/A
Naraen, A. (2023). <b>Management of osteoarthritis and joint problems in semi-rural India.</b> <i>Aging Clinical and Experimental Research</i> . 35(1). [Online]. Available at: <a href="https://dx.doi.org/10.1007/s40520-023-02442-7">https://dx.doi.org/10.1007/s40520-023-02442-7</a> [Accessed 3 January 2024].	Conference abstract/posters	Medical and Dental	4
Nelson, A; Taghizadeh, R. (2023). <b>The Patient Demographic Details of Referrals for Risk Reducing Breast Surgery and Reconstruction to St Helen's and Knowsley Teaching Hospitals Over a 5 Year Period.</b> <i>British Journal of Surgery</i> . 110(Suppl 7). [Online]. Available at: <a href="https://dx.doi.org/10.1093/bjs/z...">https://dx.doi.org/10.1093/bjs/z...</a> [Accessed 5 January 2024].	Conference abstract/posters	Medical and Dental	9.6
Ntaios, G, Abdul-Rahim, A et al. (2023). <b>Risk of myocardial infarction and ischemic stroke in individuals with first-diagnosed paroxysmal vs. non-paroxysmal atrial fibrillation under anticoagulation.</b> <i>EP Europace</i> . 25(6), p.euad143. [Online]. Available at: <a href="https://doi.org/10.1093/europace/euad143">https://doi.org/10.1093/europace/euad143</a> [Accessed 8 June 2023].	Research Article	Medical and Dental	6.1
Okecha, E; Alabi, M; Reddin, J; Harris, S; McKiernan, J; Bateman, A; Fishwick, L; Thomson-Glover, R.(2023). <b>P039 Adult onset Varicella zoster infection presenting as probable Mpox (Monkeypox).</b> <i>Sexually Transmitted Infections</i> . 99(Suppl 1), pp.A41-A42. [Online]. Available at: <a href="https://dx.doi.org/10.1136/sextrans-BASHH-2023.79">https://dx.doi.org/10.1136/sextrans-BASHH-2023.79</a> [Accessed 3 January 2024]	Conference abstract/posters	Medical and Dental	3.6

Pairo-Castineira, E; Shuker, K (Collaborator); Tridente, A (Collaborator) et al. (2023). <b>GWAS and meta-analysis identifies 49 genetic variants underlying critical COVID-19.</b> <i>Nature</i> . 617(7962), pp.764-768. [Online]. Available at: <a href="https://doi.org/10.1038/s41586-023-06034-3">https://doi.org/10.1038/s41586-023-06034-3</a> [Accessed 12 January 2024]	Research Article	Nursing and Midwifery	N/A
Patel, R; Nwachukwu, O et al. (2023). <b>Association Between Depression and Anxiety Status With Uptake of Colorectal Cancer Screening Among US Adults: A Population-Level Study.</b> <i>Cureus</i> . 15(7), Article Number: e42659. [Online]. Available at: <a href="https://doi.org/10.7759/cureus.42659">https://doi.org/10.7759/cureus.42659</a> [Accessed 21 December 2023]	Research Article	Medical and Dental	N/A
Patel, R; Nwachukwu, O; et al. (2023). <b>Association Between Depression and Anxiety Status With Uptake of Colorectal Cancer Screening Among US Adults: A Population-Level Study.</b> <i>Cureus</i> . 15(7). [Online]. Available at: <a href="https://dx.doi.org/10.7759/cureus.42659">https://dx.doi.org/10.7759/cureus.42659</a> [Accessed 3 January 2024].	Research Article	Medical and Dental	N/A
Pina, I; Omar, A; Floyd Jr MS. (2023). <b>Letter to the editor: Comparison of perineal urethrostomy versus augmentation urethroplasty in anterior stricture disease.</b> <i>Urologia Journal</i> . Epub 23 September [Online]. Available at: <a href="https://dx.doi.org/10.1177/03915603231199809">https://dx.doi.org/10.1177/03915603231199809</a> [Accessed 04 January 2023]	Letters/comments/editorials /book reviews	Medical and Dental	N/A
Pina, IM; Floyd Jr, MS. (2023). <b>2nd stage Urethroplasty for distal Urethral BXO.</b> <i>European Urology Open Science</i> . 55(Suppl 1), p.S27. [Online]. Available at: <a href="https://doi.org/10.1016/S2666-1683(23)00992-8">https://doi.org/10.1016/S2666-1683(23)00992-8</a> [Accessed 4 April 2024]	Conference abstract/posters	Medical and Dental	2.5
Pina, IM; Floyd Jr, MS. (2023). <b>Demographics and Outcomes of 1st stage BUMG Urethroplasty for BXO: The Whiston Hospital experience.</b> <i>European Urology Open Science</i> . 55(Suppl 1), p.S8. [Online]. Available at: <a href="https://doi.org/10.1016/S2666-1683(23)00943-6">https://doi.org/10.1016/S2666-1683(23)00943-6</a> [Accessed 4 April 2024]	Conference abstract/posters	Medical and Dental	2.5
Qizilbash, N; Kataria, H; et al. (2023). <b>Real world safety of methoxyflurane analgesia in the emergency setting: a comparative hybrid prospective-retrospective post-authorisation safety study.</b> <i>BMC Emergency Medicine</i> . 23(1), p.100. [Online]. Available at: <a href="https://dx.doi.org/10.1186/s12873-023-00862-2">https://dx.doi.org/10.1186/s12873-023-00862-2</a> [Accessed 3 January 2024].	Research Article	Medical and Dental	N/A
Ridgley, J; Harper Machin, A; et al. (2023). <b>Handwritten Operative Note Compliance in Plastic Surgery.</b> <i>British Journal of Surgery</i> . 110(Suppl 7). [Online]. Available at: <a href="https://dx.doi.org/10.1093/bjs/znad258.165">https://dx.doi.org/10.1093/bjs/znad258.165</a> [Accessed 5 January 2024].	Conference abstract/posters	Medical and Dental	9.6

Ross, M; et al. (2023). <b>Evaluation of the 'Clicky' Hip in the Diagnosis of Developmental Dysplasia of the Hip (DDH).</b> <i>British Journal of Surgery</i> . 110(Suppl 7). [Online]. Available at: <a href="https://dx.doi.org/10.1093/bjs/znad258.687">https://dx.doi.org/10.1093/bjs/znad258.687</a> [Accessed 5 January 2024].	Conference abstract/posters	Medical and Dental	9.6
Ross, M; Gul, A; Kalaiselvan, R; Yasin U. (2023). <b>An Audit to Evaluate the Prevalence and Efficiency of the 'Acute Abdomen Pathway' Proforma Used in a Large District General Hospital.</b> <i>British Journal of Surgery</i> . 110(Suppl 7). [Online]. Available at: <a href="https://dx.doi.org/10.1093/bjs/znad258.126">https://dx.doi.org/10.1093/bjs/znad258.126</a> [Accessed 5 January 2024].	Conference abstract/posters	Medical and Dental	9.6
Russell, M; Pritchard-Jones, R et al. (2024). <b>Accuracy of PET/CT in the diagnosis of pelvic lymph node metastases in melanoma: A subgroup analysis of the evaluation of groin lymphadenectomy extent for metastatic melanoma (EAGLE-FM) trial.</b> <i>European Journal of Surgical Oncology</i> . 50(2), p.107397. [Online]. Available at: <a href="https://www.ejso.com/article/S0748-7983(23)01035-1/abstract">https://www.ejso.com/article/S0748-7983(23)01035-1/abstract</a> [Accessed 4 April 2024]	Conference abstract/posters	Medical and Dental	3.8
Shaw, L; McLintock, S; Evans, K et al. (2023). <b>165 A NICE accredited guideline for the management of malignant ascites.</b> <i>BMJ Supportive &amp; Palliative Care</i> . 13(Suppl 3), p.A70. [Online]. Available at: <a href="https://spcare.bmj.com/content/13/Suppl_3/A70.2">https://spcare.bmj.com/content/13/Suppl_3/A70.2</a> [Accessed 12 September 2023]	Conference abstract/posters	Medical and Dental	2.7
Shokrollahi, K. (2022). <b>Commentary on: Utilization of Free Soft Tissue Grafts in Otoplasty: A Simple Yet Effective Way to Avoid Suture Extrusion.</b> <i>Aesthetic Surgery Journal</i> . 42(9), pp.NP576-NP578. [Online]. Available at: <a href="https://doi.org/10.1093/asj/sjac152">https://doi.org/10.1093/asj/sjac152</a> [Accessed 29 June 2023].	Letters/comments/editorials /book reviews	Medical and Dental	3.1
Shokrollahi, K. (2023). <b>Commentary on: Repair of Congenitally Defective Types of Earlobe Clefts With Residual Lobular Tissue: A Convenient and Effective Surgical Technique.</b> <i>Aesthetic Surgery Journal</i> . 43(10), p.NP737. [Online]. Available at: <a href="https://doi.org/10.1093/asj/sjad227">https://doi.org/10.1093/asj/sjad227</a> [Accessed 12 January 2024]	Letters/comments/editorials /book reviews	Medical and Dental	3.1
Shuker, K (Collaborator); Tridente, A. (Collaborator)(2023). <b>A second update on mapping the human genetic architecture of COVID-19.</b> <i>Nature</i> . 621(7977), pp.E7-E26. [Online]. Available at: <a href="https://doi.org/10.1038/s41586-023-06355-3">https://doi.org/10.1038/s41586-023-06355-3</a> [Accessed 21 February 2024]	Research Article	Nursing and Midwifery	N/A
Sigamoney, KH; Naji, S; Hassan, Z; McArthur, P. (2024). <b>Use of Botulinum Toxin Injections in the Treatment of Cold Intolerance.</b> <i>Journal of Hand Surgery Global Online</i> . epub 28 Feb. [Online]. Available at: <a href="https://doi.org/10.1016/j.jhsg.2024.01.014">https://doi.org/10.1016/j.jhsg.2024.01.014</a> [Accessed 4 April 2024]	Case studies/Case series	Medical and Dental	0.8

Simoni, A H; Abdul-Rahim, A H; Et al. (2023). <b>Social determinants of health and clinical outcomes among patients with atrial fibrillation: evidence from a global federated health research network.</b> <i>QJM: An International Journal of Medicine</i> . Epub(23). [Online]. Available at: <a href="https://doi.org/10.1093/qjmed/hcad275">https://doi.org/10.1093/qjmed/hcad275</a> [Accessed 25 January 2024].	Research Article	Medical and Dental	13.3
Simoni, AH; Abdul-Rahim, AH et al. (2023). <b>Social determinants of health and clinical outcomes among patients with atrial fibrillation: evidence from a global federated health research network.</b> <i>QJM: An International Journal of Medicine</i> . epub 7 Dec. [Online]. Available at: <a href="https://doi.org/10.1093/qjmed/hcad275">https://doi.org/10.1093/qjmed/hcad275</a> [Accessed 8 February 2024]	Research Article	Medical and Dental	13.3
Stanley, S; Thompson, A et al. (2024). <b>How can technology be used to support communication in palliative care beyond the covid-19 pandemic: a mixed-methods national survey of palliative care healthcare professionals.</b> <i>BMC Palliative Care</i> . 23(.), p.Article number 40. [Online]. Available at: <a href="https://doi.org/10.1186/s12904-024-01372-z">https://doi.org/10.1186/s12904-024-01372-z</a> [Accessed 8 March 2024]	Research Article	Medical and Dental	N/A
Subbe, C; Varia, R; et al. (2023). <b>Society for Acute Medicine's Patients: Learning from Experience Report (SAM-PLER) A service evaluation of patient reported experience in Acute Medicine - establishing the feasibility of a quality improvement collaborative.</b> <i>Acute Medicine Journal</i> . 22(3), pp.109-168. [Online]. Available at: <a href="https://doi.org/10.52964/AMJA.0948">https://doi.org/10.52964/AMJA.0948</a> [Accessed 4 January 2024].	Research Article	Medical and Dental	N/A
Taylor, J; Michaels, SB; Hatton, DA; Caton, J; Cardwell, J; Balafashan, T; Hardy, KJ; Strong, A; Bujawansa, S. (2023). <b>A62 (P227) Risk of 12-month mortality following a severe inpatient hypoglycaemic event: A single centre retrospective study from the North-West of England.</b> <i>Diabetic Medicine</i> . 40(S1), p.35. [Online]. Available at: <a href="https://onlinelibrary.wiley.com/doi/10.1111/dme.15047">https://onlinelibrary.wiley.com/doi/10.1111/dme.15047</a> [Accessed 31 July 2023]	Conference abstracts/posters	Nursing and Midwifery	3.5
Thomas, V. (2023). <b>The importance of creating a positive learning environment for student nurses: the value of good quality nurse education and the influence this has in future practice.</b> <i>Dermatological Nursing</i> . 22(4), pp.29-31	Letters/comments/editorials /book reviews	Nursing and Midwifery	N/A
Thompson, A and Beck, D. (A38). <b>80 Developing a hospital based transition MDT in an acute teaching hospital.</b> <i>BMJ Supportive &amp; Palliative Care</i> . 14(Suppl 2). [Online]. Available at: <a href="https://spcare.bmj.com/content/14/Suppl_2/A38">https://spcare.bmj.com/content/14/Suppl_2/A38</a> [Accessed 21 March 2024]	Conference abstract/posters	Medical and Dental	2.7

Thompson, JV; McLenaghan, D et al. (2023). <b>External validation of the Oldham composite Covid-19 associated mortality model (OCCAM), a prognostic model for death in patients hospitalised with Covid-19.</b> <i>Infectious Diseases Now</i> . 53(6), p.104722. [Online]. Available at: <a href="https://doi.org/10.1016/j.idnow.2023.104722">https://doi.org/10.1016/j.idnow.2023.104722</a> [Accessed 11 July 2023]	Research Article	Medical and Dental	3.5
Ting, DSJ et al. (2023). <b>The Royal College of Ophthalmologists' National Ophthalmology Database study of cataract surgery: report 16, influence of remuneration model on choice of intraocular lens in the UK.</b> <i>Eye</i> . 37(18), pp.3854-3860. [Online]. Available at: <a href="https://doi.org/10.1038/s41433-023-02665-y">https://doi.org/10.1038/s41433-023-02665-y</a> [Accessed 1 March 2024] STHK provided data	Research Article	APST	N/A
Tivey, A; Nicholson, T et al. (2023). <b>Ibrutinib as first line therapy for mantle cell lymphoma: A multicentre, real-world UK study.</b> <i>Blood Advances</i> . epub 21 Dec. [Online]. Available at: <a href="https://doi.org/10.1182/bloodadvances.2023011152">https://doi.org/10.1182/bloodadvances.2023011152</a> [Accessed 2 February 2024]	Research Article	Medical and Dental	7.5
Tume, LN; Beech, G; Chi, T et al. (2023). <b>Association between enteral feeding and gastrointestinal complications in children receiving extracorporeal life support: A retrospective cohort study.</b> <i>Journal of parenteral and enteral nutrition</i> . epub 31 May. [Online]. Available at: <a href="https://doi.org/10.1002/jpen.2528">https://doi.org/10.1002/jpen.2528</a> [Accessed 11 July 2023]	Research Article	Medical and Dental	3.4
Waheed, U; Narayanan, RP et al. (2023). <b>Changes in prescribing of psychotropic vs some physical health medication in primary care through the COVID-19 pandemic.</b> <i>Journal of Pharmaceutical Policy and Practice</i> . 16(1), p.169. [Online]. Available at: <a href="https://dx.doi.org/10.1186/s40545-023-00655-9">https://dx.doi.org/10.1186/s40545-023-00655-9</a> [Accessed 21 February 2024]	Research Article	Medical and Dental	4.2
Wald, R et al; Tridente, A; Harrop, C; Shuker, K (Collaborators). (2023). <b>Initiation of continuous renal replacement therapy versus intermittent hemodialysis in critically ill patients with severe acute kidney injury: a secondary analysis of STARTR-AKI trial.</b> <i>Intensive Care Medicine</i> . 49, pp.1305-1316. [Online]. Available at: <a href="https://doi.org/10.1007/s00134-023-07211-8">https://doi.org/10.1007/s00134-023-07211-8</a> [Accessed 4 April 2024]	Research Article	Medical and Dental	38.9
Waterworth, R; Franklin, M et al. (2023). <b>Current concepts in the management of "Terrible Triad" injuries of the elbow.</b> <i>Injury</i> . 54(8), p.110889. [Online]. Available at: <a href="https://doi.org/10.1016/j.injury.2023.110889">https://doi.org/10.1016/j.injury.2023.110889</a> [Accessed 30 October 2023]	Research Article	Medical and Dental	2.5

Westall, S; Narayanan, RP; Irving, G; Furlong, N; McNulty, S; Bujawansa, S; Bala. (2023). <b>P300 Setting explicit glycated haemoglobin goals improves diabetes-related distress, self-efficacy and wellbeing.</b> <i>Diabetic Medicine</i> . 40(Suppl 1), p.157. [Online]. Available at: <a href="https://onlinelibrary.wiley.com/doi/10.1111/dme.15048">https://onlinelibrary.wiley.com/doi/10.1111/dme.15048</a> [Accessed 11 September 2023]	Conference abstracts/posters	Medical and Dental	3.5
Westall, SJ; Narayanan, RP; Irving, G; Furlong, N; McNulty, S; Bujawansa, S; Cardwell, J; Hardy, K et al. (2023). <b>P302 Glycated haemoglobin targets: The experiences and views of people with diabetes and diabetes healthcare professionals.</b> <i>Diabetic Medicine</i> . 40(S1), p.158. [Online]. Available at: <a href="https://onlinelibrary.wiley.com/doi/10.1111/dme.15048">https://onlinelibrary.wiley.com/doi/10.1111/dme.15048</a> [Accessed 31 July 2023].	Conference abstracts/posters	Medical and Dental	3.5
Win, M et al. (2023). <b>220 A Systematic Review on Under-Recognized Condition: Duodenogastric Reflux After Cholecystectomy.</b> <i>British Journal of Surgery</i> . 110(Suppl 7), pp.vii106-vii107. [Online]. Available at: <a href="https://doi.org/10.1093/bjs/znad258.449">https://doi.org/10.1093/bjs/znad258.449</a> [Accessed 12 January 2024]	Conference abstract/posters	Medical and Dental	9.6
Win, M; Ngo, V; Jeyam, T; Rajaganeshan, R; et al. (2023). <b>Single-Centre Review on Incisional Hernia After Laparoscopic Anterior Resection: What Is the Ideal Incision for Specimen Extraction?</b> <i>British Journal of Surgery</i> . 110(Suppl 7). [Online]. Available at: <a href="https://dx.doi.org/10.1093/bjs/znad258.329">https://dx.doi.org/10.1093/bjs/znad258.329</a> [Accessed 5 January 2024].	Conference abstract/posters	Medical and Dental	9.6
Win, M; Ngo, V; Rajaganeshan, R. (2023). <b>O132 Preliminary results of radiofrequency ablation for haemorrhoidal disease at a district general hospital.</b> <i>BJS</i> . 110(Suppl 3), p.iii35. [Online]. Available at: <a href="https://academic.oup.com/bjs/article/110/Supplement_3/znad101.132/7159101?login=false">https://academic.oup.com/bjs/article/110/Supplement_3/znad101.132/7159101?login=false</a> [Accessed 12 September 2023]	Conference abstracts/posters	Medical and Dental	9.6
Yong, L et al. (2023). <b>PP-306 An adipose derived decellularised extracellular matrix as a biomaterial for tissue engineering of soft tissue.</b> <i>Tissue Engineering Part A</i> . 29(13 and 14). [Online]. Available at: <a href="https://doi.org/10.1089/ten.tea.2023.29043.abstract">https://doi.org/10.1089/ten.tea.2023.29043.abstract</a> [Accessed 21 December 2023]	Conference abstract/posters	Medical and Dental	4.1
Yoo, LJH; Meah, N; Wall, D; McDonald, I. (2024). <b>Diffuse Lichen Planopilaris Masquerading as Diffuse Alopecia Areata.</b> <i>Case Reports in Dermatology</i> . 16(1), pp.83-87. [Online]. Available at: <a href="https://doi.org/10.1159/000538064">https://doi.org/10.1159/000538064</a> [Accessed 5 April 2024]	Case studies/Case series	Medical and Dental	0.9



Zhang, M; Fox, M. (2023). <b>P26 Standardising outpatient care for primary biliary cholangitis patients in a hospital trust.</b> <i>Gut.</i> 72(Suppl 2), pp.A59-A60. [Online]. Available at: <a href="https://gut.bmj.com/content/72/Suppl_2/A59.2">https://gut.bmj.com/content/72/Suppl_2/A59.2</a> [Accessed 15 December 2023]	Conference abstracts/posters	Medical and Dental	24.5
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## APPENDIX 3 - Staff Publications – 2023-2024 Southport & Ormskirk site

- **Article**

The articles included in this document were discovered (through alerts set up on various medical databases or via staff informing us of a new publication) between April 2023 and the end of March 2024. Please note the publication date given as they may have been published outside of these dates (it can take a long time for articles to appear in databases). We always include the articles within the year we discovered them as they will not have been included in the previous year's data)

- **Article type**

This can be one of the following:

- Conference abstracts/posters
- Case studies/Case series (including ones with lit reviews)
- Research articles (any type of research, including qualitative and systematic reviews)
- Letters/comments/editorials/book reviews

- **Staff Group**

- This is based on ESR Staff Groups.
- The staff group selected is based on either the staff group of the corresponding author (if STHK staff) or from the first name STHK author in the author list.
- The term collaborator is used for a member of staff listed as part of a research group participating in the research article, but not listed as an author.

- **Impact Factor**

- This is taken from the relevant journal's website and is correct on the day the article was added to the staff publications list.
- If an impact factor isn't provided on the journal's website it will be listed as 'not available' (NA)
- Some journals only provide a 2-Year and 5-Year Impact Factor, these are also listed here as 'not available' (NA)

Reference	Article Type	Professional Group	1-Year Impact Factor
Abdolmohammadpour Bonab, H.; Iyengar, KP. et al. (2023). <b>Is there a change in ischiofemoral space in lateral position in comparison to supine.</b> <i>European Journal of Anatomy.</i> 27(6), pp.723-728. [Online]. Available at: <a href="https://doi.org/10.52083/OAQD8529">https://doi.org/10.52083/OAQD8529</a> [Accessed 2 April 2024].	Research Article	Medical & Dental	
Adeniyi, F.; Oyedokun, K. (2023). <b>Is cuffed endotracheal intubation in neonates a safe practice?.</b> <i>Infant.</i> 19(4), pp.145-148. [Online]. Available at: <a href="https://www.infantjournal.co.uk/journal_article.html?id=7365">https://www.infantjournal.co.uk/journal_article.html?id=7365</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	NA
Ahmed, HE et al; Lever, C (Collaborator); Sood, A (Collaborator); Moss, M (Collaborator); Khatir, M (Collaborator). (2023) <b>Lack of regional pathways impact on surgical delay: Analysis of the Orthopaedic Trauma Hospital Outcomes-Patient Operative Delays (ORTHOPOD) study.</b> <i>Injury.</i> 54 (12), p.111007 [Online]. Available at: <a href="https://doi.org/10.1016/j.injury.2023.111007">https://doi.org/10.1016/j.injury.2023.111007</a> [Accessed 26 February 2024]	Research Article	Medical & Dental	2.5
Ahmed, M.; Iyengar, KP. et al. (2023). <b>The role of Grey Scale Inversion Imaging (GSII) as a diagnostic tool of neck of femur fractures: is it more effective?.</b> <i>Emergency Radiology.</i> 30, pp.419-423. [Online]. Available at: <a href="http://dx.doi.org/10.1007/s10140-023-02146-5">http://dx.doi.org/10.1007/s10140-023-02146-5</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	2.2
Ahmed, S; Nune, A; Gupta, L; Kuwana, M; Pauling, JD; Day, J; Ravichandran, N et al. (2024). <b>Correlates of breakthrough COVID-19 in vaccinated patients with systemic sclerosis: survival analysis from a multicentre international patient-reported survey.</b> <i>Rheumatology International.</i> 44(1), pp.89-97. [Online]. Available at: <a href="https://doi.org/10.1007/s00296-023-05433-z">10.1007/s00296-023-05433-z</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	4
Ajay, A; Ajay, H; Rasoul, D; Abdullah, A; Lee Wei En, B; Mashida, K; Al-Munaer, M et al. (2023). <b>Augmentation of natriuretic peptide (NP) receptor A and B (NPR-A and NPR-B) and cyclic guanosine monophosphate (cGMP) signalling as a therapeutic strategy in heart failure.</b> <i>Expert Opinion on Investigational Drugs.</i> 32(12), pp.1157-70. [Online]. Available at: <a href="https://doi.org/10.1080/13543784.2023.2290064">10.1080/13543784.2023.2290064</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	6.1
Ajmera, P.; Iyengar, KP. et al. (2024). <b>Validity of ChatGPT-generated musculoskeletal images.</b> <i>Skeletal Radiology.</i> [Online]. Available at: <a href="https://doi.org/10.1007/s00256-024-04638-y">https://doi.org/10.1007/s00256-024-04638-y</a> [Accessed 2 April 2024].	Research Article	Medical & Dental	2.1

Reference	Article Type	Professional Group	1-Year Impact Factor
Alexopoulou, V.; McCaffrey, L.; McCabe, M.; Ng, SM. (2023). <b>P1-438 A qualitative study of knowledge, attitudes and perceptions of new diabetes technologies in A&amp;E department.</b> <i>Hormone Research in Paediatrics</i> . 96(Suppl. 4), pp.203-204. [Online]. Available at: <a href="https://doi.org/10.1159/000533803">https://doi.org/10.1159/000533803</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	3.2
Ali, SS.; Nune, A. et al. (2023). <b>Flares after COVID-19 infection in patients with idiopathic inflammatory myopathies: results from the COVAD study.</b> <i>Rheumatology (Oxford)</i> . 62(9), pp.e263-e268. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/kead149">https://doi.org/10.1093/rheumatology/kead149</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	5.5
AlSumadi, M.; AlAdwan, M.; Sangani, C.; Toh, E. et al. (2023). <b>Inpatient Falls and Orthopaedic Injuries in Elderly Patients: A Retrospective Cohort Analysis From a Falls Register.</b> <i>Cureus</i> . 15(10), p.e46976. [Online]. Available at: <a href="https://doi.org/10.7759/cureus.46976">https://doi.org/10.7759/cureus.46976</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	
Andreoli, L.; Nune, A. et al. (2023). <b>COVID-19 vaccine safety during pregnancy and breastfeeding in women with autoimmune diseases: results from the COVAD study.</b> <i>Rheumatology (Oxford)</i> . Jul 28(Online ahead ofprint), p.-. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/kead382">https://doi.org/10.1093/rheumatology/kead382</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	5.5
Ariyaratne, S.; Iyengar, KP. et al. (2023). <b>A comparison of ChatGPT-generated articles with human-written articles.</b> <i>Skeletal Radiology</i> . 52(9), pp.1755-1758. [Online]. Available at: <a href="https://doi.org/10.1007/s00256-023-04340-5">https://doi.org/10.1007/s00256-023-04340-5</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	2.1
Ariyaratne, S.; Iyengar, KP. et al. (2023). <b>A rare case of an intraneural ganglion cyst of the median nerve.</b> <i>Journal of Ultrasonography</i> . 23(94), pp.e161-e164. [Online]. Available at: <a href="https://doi.org/10.15557/jou.2023.0025">https://doi.org/10.15557/jou.2023.0025</a> [Accessed 27 February 2024].	Case Studies/Case series	Medical & Dental	1.1
Ariyaratne, S.; Iyengar, KP. et al. (2023). <b>ChatGPT in academic publishing: An ally or an adversary?.</b> <i>Scottish medical journal</i> . 68(3), pp.129-30. [Online]. Available at: <a href="https://doi.org/10.1177/00369330231174231">https://doi.org/10.1177/00369330231174231</a> [Accessed 27 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	2.7
Ariyaratne, S.; Iyengar, KP. et al. (2023). <b>Will collaborative publishing with ChatGPT drive academic writing in the future?.</b> <i>British Journal of Surgery</i> . 110(9), pp.1213-1214. [Online]. Available at: <a href="https://doi.org/10.1093/bjs/znad198">https://doi.org/10.1093/bjs/znad198</a> [Accessed 28 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	9.6

Reference	Article Type	Professional Group	1-Year Impact Factor
Ariyaratne, S.; Iyengar, KP. et al. (Online 25 March 2024). <b>An Unusual Case of Calcific Periarthritis Causing Carpal Tunnel Syndrome and Its Management with Ultrasound-Guided Barbotage.</b> <i>Indian Journal of Radiology and Imaging</i> . [Online]. Available at: 10.1055/s-0043-1778650 [Accessed 2 April 2024].	Research Article	Medical & Dental	0.6
Ariyaratne, S; Iyengar, KP; Jenko, N; James, S; Mehta, J; Botchu, R. (2023). <b>Primary Benign Neoplasms of the Spine.</b> <i>Diagnostics (Basel, Switzerland)</i> . 13(12), p.2006. [Online]. Available at: 10.3390/diagnostics13122006 [Accessed 21 February 2024].	Research Article	Medical & Dental	3.6
Ariyaratne, S; Iyengar, KP; Jenko, N; James, S; Mehta, J; Botchu, R. (2023). <b>Primary Osseous Malignancies of the Spine.</b> <i>Diagnostics (Basel, Switzerland)</i> . 13(10), p.1801. [Online]. Available at: 10.3390/diagnostics13101801 [Accessed 21 February 2024].	Research Article	Medical & Dental	3.6
Ariyaratne, S; Iyengar, KP; Jenko, N; Davies, AM; Botchu, R. (2023). <b>Could ChatGPT Pass the UK Radiology Fellowship Examinations?.</b> <i>Academic Radiology</i> . Online(Ahead of Print), p.-. [Online]. Available at: 10.1016/j.acra.2023.11.026 [Accessed 21 February 2024].	Research Article	Medical & Dental	4.8
Atayi, AA.; Khadr, RN.; Floyd Jr, MS. et al. (2023). <b>Letter to the editor: Classification and management of sexual dysfunctions in multiple sclerosis patients: A review of current literature, Competella et al.</b> <i>Urologia</i> . Online ahead of print. [Online]. Available at: <a href="https://doi.org/10.1177/03915603231199529">https://doi.org/10.1177/03915603231199529</a> [Accessed 27 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	0.8
Avades, T.; Black, R.; Shami, N.; Maher, E.; Finnegan, C.; Dawson, K. (2023). <b>P35 Improving clinical relationship between palliative care and hepatology services: a DGH experience.</b> <i>Gut</i> . 72(Suppl. 2), pp.A63-A64. [Online]. Available at: <a href="https://doi.org/10.1136/gutjnl-2023-BSG.107">https://doi.org/10.1136/gutjnl-2023-BSG.107</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	24.5
Black, C et al; Oliver, A (Collaborator). (2023). <b>Feasibility of mobilisation in ICU: a multi-centre point prevalence study of mobility practices in the UK.</b> <i>Critical Care</i> . 27(1), p.Article Number: 217. [Online]. Available at: <a href="https://doi.org/10.1186/s13054-023-04508-4">https://doi.org/10.1186/s13054-023-04508-4</a> [Accessed 1 March 2024]	Research Article	AHP	NA
Blake, I.; Mason, PF. (2023). <b>275 The Declining Elective Workload of a Consultant Surgeon.</b> <i>British Journal of Surgery</i> . 110(Suppl. 7), p.vii94. [Online]. Available at: <a href="https://doi.org/10.1093/bjs/znad258.399">https://doi.org/10.1093/bjs/znad258.399</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	9.6

Reference	Article Type	Professional Group	1-Year Impact Factor
Bonab, HA.; Treytyak, D.; Nischal, N.; Iyengar, KP.; Botchu, R. (2023). <b>Imaging in Sports Medicine</b> . <i>Journal of Arthroscopy and Joint Surgery</i> . 10(2), pp.62-69. [Online]. Available at: <a href="https://doi.org/10.4103/jajs.jajs_1_23">10.4103/jajs.jajs_1_23</a> [Accessed 26 February 2024].	Research Article	Medical & Dental	NA
Botchu, B.; Iyengar, KP.; Botchu, R. (2023). <b>Can ChatGPT empower people with dyslexia?</b> . <i>Disability and Rehabilitation : Assistive Technology</i> . Online ahead of print(Sep 12), pp.1-2. [Online]. Available at: <a href="https://doi.org/10.1080/17483107.2023.2256805">https://doi.org/10.1080/17483107.2023.2256805</a> [Accessed 27 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	2.2
Botchu, R.; Iyengar, KP. (2023). <b>Will ChatGPT Drive Radiology in the Future?</b> . <i>Indian Journal of Radiology and Imaging</i> . 33(4), pp.436-437. [Online]. Available at: <a href="https://doi.org/10.1055/s-0043-1769591">https://doi.org/10.1055/s-0043-1769591</a> [Accessed 28 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	0.6
Botchu, R.; Iyengar, KP. et al. (2023). <b>Iliotibial band friction syndrome after knee cementoplasty: a case report</b> . <i>Journal of Ultrasound</i> . Online ahead of print. [Online]. Available at: <a href="https://doi.org/10.1007/s40477-023-00792-6">https://doi.org/10.1007/s40477-023-00792-6</a> [Accessed 27 February 2024].	Case Studies/Case series	Medical & Dental	2
Botchu, R.; Nischal, N.; Botchu, B.; Iyengar, KP. (2023). <b>Piggyback Technique-A Safe Way of Performing Rib Biopsy</b> . <i>Indian Journal of Radiology and Imaging</i> . 33(4), pp.541-542. [Online]. Available at: <a href="https://doi.org/10.1055/s-0043-1768642">10.1055/s-0043-1768642</a> [Accessed 26 February 2024].	Research Article	Medical & Dental	0.6
Challapalli, P.; Gokul, K.; Artioukh, D. (2023). <b>877 Utility Value of Colonoscopy in the Over 80's</b> . <i>British Journal of Surgery</i> . 110(Suppl. 7), pp.vii37-vii38. [Online]. Available at: <a href="https://doi.org/10.1093/bjs/znad258.152">https://doi.org/10.1093/bjs/znad258.152</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	9.6
Chatterjee, T; Nune, A; Ravichandran, N; Nair, N; Gracia-Ramos, AE; Barman, B et al. (2024). <b>Type 1 diabetes, COVID-19 vaccines and short-term safety: Subgroup analysis from the global COVAD study</b> . <i>Journal of Diabetes Investigation</i> . 15(1), pp.131-138. [Online]. Available at: <a href="https://doi.org/10.1111/jdi.14079">10.1111/jdi.14079</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	3.2
Chaudhuri, T.; George, A. (2023). <b>1241 A Review: How Is Anatomy Best Taught in Postgraduate Surgical Education?</b> . <i>British Journal of Surgery</i> . 110(Suppl. 7), p.vii147. [Online]. Available at: <a href="https://doi.org/10.1093/bjs/znad258.617">https://doi.org/10.1093/bjs/znad258.617</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	9.6

Reference	Article Type	Professional Group	1-Year Impact Factor
Chiong, J. et al. (2023). <b>160 An audit of guideline directed medical therapy initiation for patients admitted to hospital for an acute decompensation of heart failure.</b> <i>Heart</i> . 109(Suppl. 3), pp.A187-A188. [Online]. Available at: <a href="https://doi.org/10.1136/heartjnl-2023-BCS.160">https://doi.org/10.1136/heartjnl-2023-BCS.160</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	5.7
Day, H.; Quinn, M.; McCaffrey, L.; Kyprios, H.; Hubbard, R.; Finnigan, L.; Pintus, D.; Bray, D.; Ng, SM. (2023). <b>School based training and education program with psychological and peer support (STEPPS) initiative for children and young people living with type 1 diabetes.</b> <i>Diabetic Medicine</i> . 40(Suppl. 1), pp.120-121. [Online]. Available at: <a href="https://doi.org/10.1111/dme.15048">https://doi.org/10.1111/dme.15048</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	3.5
Dey, M.; Nune, A. et al. (2023). <b>Higher risk of short term COVID-19 vaccine adverse events in myositis patients with autoimmune comorbidities: results from the COVAD study.</b> <i>Rheumatology (Oxford)</i> . 62(5), pp.e147-e152. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/keac603">10.1093/rheumatology/keac603</a> . [Accessed 26 February 2024].	Research Article	Medical & Dental	5.5
Dey, M; Nune, A et al. (2023). <b>COVID-19 Vaccination-Related Delayed Adverse Events among Patients with Systemic Lupus Erythematosus.</b> <i>Journal of Clinical Medicine</i> . 12(24), p.7542. [Online]. Available at: <a href="https://doi.org/10.3390/jcm12247542">https://doi.org/10.3390/jcm12247542</a> [Accessed 26 February 2024].	Research Article	Medical & Dental	3.9
Doskaliuk, B.; Nune, A. et al. (2023). <b>Long-term safety of COVID vaccination in individuals with idiopathic inflammatory myopathies: results from the COVAD study.</b> <i>Rheumatology International</i> . 43(9), pp.1651-1664. [Online]. Available at: <a href="https://doi.org/10.1007/s00296-023-05345-y">https://doi.org/10.1007/s00296-023-05345-y</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	4
Elsaid, M.; Nune, A. et al. (2023). <b>Immune thrombocytopenic purpura after influenza vaccine administration; a systematic review and meta-analysis.</b> <i>Tropical diseases, travel medicine and vaccines</i> . 9(1), p.22. [Online]. Available at: <a href="https://doi.org/10.1186/s40794-023-00206-9">10.1186/s40794-023-00206-9</a> . [Accessed 26 February 2024].	Research Article	Medical & Dental	NA
Elsaid, M.; Nune, A. et al. (2023). <b>Multisystem Inflammatory Syndrome (MIS) following SARS-CoV-2 vaccinations; a systematic review.</b> <i>Tropical diseases, travel medicine and vaccines</i> . 9(1), p.19. [Online]. Available at: <a href="https://doi.org/10.1186/s40794-023-00204-x">10.1186/s40794-023-00204-x</a> . [Accessed 26 February 2024].	Research Article	Medical & Dental	NA

Reference	Article Type	Professional Group	1-Year Impact Factor
Gonnah, AR; Labib, A; Abdelwahab, M; Taylor, R; Masoud, O; Debski, M et al. (2023). <b>Health-related quality of life following TAVI or cardiac surgery in patients at intermediate and low risk: a systematic review and meta-analysis.</b> <i>Clinical Medicine (London, England)</i> . 23(6), pp.594-605. [Online]. Available at: <a href="https://doi.org/10.7861/clinmed.2023-0258">10.7861/clinmed.2023-0258</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	4.5
Gopalarathinam, R.; Nawimana, S.; Nune, A. (2023). <b>Axial spondylarthritis following COVID-19 infection.</b> <i>BMJ Case Reports</i> . 16(5), p.-. [Online]. Available at: <a href="https://doi.org/10.1136/bcr-2022-252985">https://doi.org/10.1136/bcr-2022-252985</a> [Accessed 27 February 2024].	Case Studies/Case series	Medical & Dental	0.9
Grignaschi, S.; Nune, A. et al. (2023). <b>High fatigue scores in patients with idiopathic inflammatory myopathies: a multigroup comparative study from the COVAD e-survey.</b> <i>Rheumatology International</i> . 43(9), pp.1637-1649. [Online]. Available at: <a href="https://doi.org/10.1007/s00296-023-05344-z">https://doi.org/10.1007/s00296-023-05344-z</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	4
Groves, K; Davidson, J; Birch, H; Hough, J. (2023). <b>Improving assessments of family care-givers : Impact of staff education in a hospice at home service.</b> <i>BMJ Supportive and Palliative Care</i> . 13(Supp 5), p.A75. [Online]. Available at: <a href="https://doi.org/10.1136/spcare-2023-HUNC.195">https://doi.org/10.1136/spcare-2023-HUNC.195</a> [Accessed 26 February 2024].	Conference abstracts/posters	Medical & Dental	2.7
Gupta, L.; Nune, A. et al. (2023). OA29 <b>Flares following COVID-19 vaccination in patients with idiopathic inflammatory myopathies: combined analysis from the Covid-19 vaccination in autoimmune diseases (COVAD) studies.</b> <i>Rheumatology (Oxford)</i> . 62(Suppl. 2), p.ii6. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/kead104.029">https://doi.org/10.1093/rheumatology/kead104.029</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	5.5
Gupta, L.; Nune, A. et al. (2023). P065 <b>Post COVID-19 Syndrome in patients with autoimmune rheumatic diseases: Results from the COVID-19 Vaccination in Autoimmune Diseases (COVAD) Study.</b> <i>Rheumatology (Oxford)</i> . 62(Suppl. 2), p.ii53. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/kead104.106">https://doi.org/10.1093/rheumatology/kead104.106</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	5.5
Hammond, A et al; Dooley, M (Collaborator). (2023). <b>Perceptions of arthritis glove wear of patients with rheumatoid arthritis and persistent hand pain: A nested questionnaire study within the A-Gloves trial.</b> <i>Musculoskeletal Care</i> .	Research Article	Medical & Dental	1.3



Reference	Article Type	Professional Group	1-Year Impact Factor
21(2), pp.405-416. [Online]. Available at: <a href="https://doi.org/10.1002/msc.1709">https://doi.org/10.1002/msc.1709</a> [Accessed 1 March 2024]			
Hegde, G.; Iyengar, KP. et al. (2023). <b>Current role and future applications of image-guided interventional procedures in musculoskeletal oncology - A narrative review.</b> <i>Journal of orthopaedics.</i> 44(-), pp.99-106. [Online]. Available at: <a href="https://doi.org/10.1016/j.jor.2023.08.011">https://doi.org/10.1016/j.jor.2023.08.011</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	1.5
Holloway, A.; Nune, A. et al. (2023). <b>AB0522 Evaluating global patterns in treatment and prevalence of comorbidities in systemic lupus erythematosus.</b> <i>Annals of the Rheumatic Diseases.</i> 82(Suppl. 1), pp.1456-1458. [Online]. Available at: <a href="https://doi.org/10.1136/annrheumdis-2023-eular.3981">https://doi.org/10.1136/annrheumdis-2023-eular.3981</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	27.4
Howard, T; Iyengar, KP; Vaishya, R; Ahluwalia, R. (2023). <b>High-fidelity virtual reality simulation training in enhancing competency assessment in orthopaedic training.</b> <i>British Journal of Hospital Medicine (London).</i> 84(9), pp.1-8. [Online]. Available at: <a href="https://doi.org/10.12968/hmed.2022.0360">10.12968/hmed.2022.0360</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	0.422
Hussein, M.; Iyengar, KP. et al. (2023). <b>Validation of the supinator fat pad sign in radial head and neck fractures.</b> <i>Emergency Radiology.</i> 30(5), pp.613-619. [Online]. Available at: <a href="https://doi.org/10.1007/s10140-023-02163-4">https://doi.org/10.1007/s10140-023-02163-4</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	2.2
Hussein, M.; Metcalfe, S.; Iyengar, KP.; Botchu, R. (2023). <b>Bilateral Cubonavicular and Synchronous Talocalcaneal Tarsal Coalition with Stress Response—Case Report and Review of Literature.</b> <i>Indian Journal of Radiology and Imaging.</i> [Online]. Available at: <a href="https://doi.org/10.1055/s-0043-1776064">10.1055/s-0043-1776064</a> [Accessed 26 February 2024].	Case Studies/Case series	Medical & Dental	0.6
Idkowiak, J.; Ng, SM. et al. (2023). <b>P1-332 Results from learner’s feedback on the use of free, globally accessible CME-accredited e-learning modules in Paediatric Endocrinology and Diabetes.</b> <i>Hormone Research in Paediatrics.</i> 96(4), p.347. [Online]. Available at: <a href="https://doi.org/10.1159/000533803">https://doi.org/10.1159/000533803</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	3.2

Reference	Article Type	Professional Group	1-Year Impact Factor
Iyengar, KP. et al. (2023). <b>Accessory Tibionavicular Muscle: An Unusual Cause of Medial Ankle Pain.</b> <i>Indian Journal of Radiology and Imaging.</i> 33(4), pp.555-559. [Online]. Available at: <a href="https://doi.org/10.1055/s-0043-1769472">https://doi.org/10.1055/s-0043-1769472</a> [Accessed 27 February 2024].	Case Studies/Case series	Medical & Dental	0.6
Iyengar, KP. et al. (2023). <b>Birmingham Royal Orthopaedic Hospital (BROH) Femoral Offset-An Ancillary Measure of Adult Dysplasia of the Hip.</b> <i>Indian Journal of Radiology and Imaging.</i> 33(4), pp.471-477. [Online]. Available at: <a href="https://doi.org/10.1055/s-0043-1769501">https://doi.org/10.1055/s-0043-1769501</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	0.6
Iyengar, KP. et al. (2023). <b>Citation Trend Analysis of the articles published in the Journal of Orthopaedics®.</b> <i>Journal of Orthopaedics.</i> 44(-), pp.33-35. [Online]. Available at: <a href="https://doi.org/10.1016/j.jor.2023.08.004">https://doi.org/10.1016/j.jor.2023.08.004</a> [Accessed 27 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	1.5
Iyengar, KP.; Vaishya, R. (2023). <b>Article-level metrics: A new approach to quantify reach and impact of published research.</b> <i>Journal of Orthopaedics.</i> 40, pp.83-86. [Online]. Available at: <a href="https://doi.org/10.1016/j.jor.2023.05.001">https://doi.org/10.1016/j.jor.2023.05.001</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	1.5
Iyengar, KP.; Yousef, MMA. et al. (2023). <b>Perception of Chat Generative Pre-trained Transformer (Chat-GPT) AI tool amongst MSK clinicians.</b> <i>Journal of Clinical Orthopaedics and Trauma.</i> Article 102253. [Online]. Available at: <a href="https://doi.org/10.1016/j.jcot.2023.102253">https://doi.org/10.1016/j.jcot.2023.102253</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	NA
Jagtap, K; Nune, A et al. (2023). <b>Flares in autoimmune rheumatic diseases in the post-COVID-19 vaccination period-a cross-sequential study based on COVAD surveys.</b> <i>Rheumatology (Oxford).</i> 62(12), pp.3838-3848. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/kead144">10.1093/rheumatology/kead144</a> . [Accessed 26 February 2024].	Research Article	Medical & Dental	5.5
Jeyaraman, M.; Iyengar, KP. et al. (2023). <b>Silver nanoparticle technology in orthopaedic infections.</b> <i>World Journal of Orthopaedics.</i> 14(9), pp.662-668. [Online]. Available at: <a href="https://doi.org/10.5312%2Fwjov14.i9.662">https://doi.org/10.5312%2Fwjov14.i9.662</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	1.9
Jeyaraman, M.; Iyengar, KP. et al. (2024). <b>Impact of Excessive Noise Generation in Orthopaedic Operating Theatres: A Comprehensive Review.</b> <i>Cureus.</i> 16(2), p.e54469. [Online]. Available at: <a href="https://doi.org/10.7759/cureus.54469">10.7759/cureus.54469</a> [Accessed 2 April 2024].	Research Article	Medical & Dental	

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Jeyaraman, M.; Iyengar, KP. et al. (2024). <b>Journal metrics of the top-ranked Orthopaedic, Medical, and Surgical journals - A cross-sectional, comparative study.</b> <i>International Orthopaedics</i> . 48(2), pp.357-364. [Online]. Available at: <a href="https://doi.org/10.1007/s00264-023-06010-6">https://doi.org/10.1007/s00264-023-06010-6</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	2.7
Jeyaraman, M; Iyengar, KP; Selvaraj, P; Vaish, A; Vaishya, R. (2024). <b>Journal metrics of the top-ranked Orthopaedic, Medical, and Surgical journals - A cross-sectional, comparative study.</b> <i>International Orthopaedics</i> . 48(2), pp.357-364. [Online]. Available at: <a href="https://doi.org/10.1007/s00264-023-06010-6">10.1007/s00264-023-06010-6</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	2.7
Kopec, E; Groves, K; Jack, B; Hough, J; Moen, C. (2023). <b>Assessment and documentation of spiritual needs of hospice inpatients.</b> <i>BMJ Supportive and Palliative Care</i> . 13(Supp 5), pp.A65-66. [Online]. Available at: <a href="https://doi.org/10.1136/spcare-2023-HUNC.170">https://doi.org/10.1136/spcare-2023-HUNC.170</a> [Accessed 26 February 2024].	Conference abstracts/posters	Medical & Dental	2.7
Korolchuk, M; Azam, M; Satchidanand, R. (2023). <b>HPB P50 A comparison of layered vs mass closure in development of incisional hernia following Kocher's incision for open cholecystectomy, a retrospective analysis.</b> <i>British Journal of Surgery</i> . 110(Supp 8), pp.viii62 - viii63. [Online]. Available at: <a href="https://doi.org/10.1093/bjs/znad348.188">https://doi.org/10.1093/bjs/znad348.188</a> [Accessed 26 February 2024].	Conference abstracts/posters	Medical & Dental	9.6
Kouranloo, K.; Nune, A. et al. (2023). <b>A systematic review of the incidence, management and prognosis of new-onset autoimmune connective tissue diseases after Covid-19.</b> <i>Rheumatology International</i> . 43(7), pp.1221-1243. [Online]. Available at: <a href="https://doi.org/10.1007/s00296-023-05283-9">https://doi.org/10.1007/s00296-023-05283-9</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	4
Kouranloo, K.; Nune, A. et al. (2023). <b>P064 Incidence and Clinical Outcomes of New-onset Autoimmune Connective Tissue Diseases after COVID-19 Infection- A Systematic literature review.</b> <i>Rheumatology (Oxford)</i> . 62(Suppl. 2), pp.ii51-ii52. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/kead104.105">https://doi.org/10.1093/rheumatology/kead104.105</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	5.5
Kouranloo, K; Nune, A et al. (2023). <b>Clinical characteristics, disease trajectories and management of vacuoles, E1 enzyme, X-linked, autoinflammatory, somatic (VEXAS) syndrome : a systematic review.</b> <i>Rheumatology International</i> . [Online]. Available at: <a href="https://doi.org/10.1007/s00296-023-05513-0">https://doi.org/10.1007/s00296-023-05513-0</a> [Accessed 26 February 2024].	Research Article	Medical & Dental	4

Reference	Article Type	Professional Group	1-Year Impact Factor
Mahtab, A.; Parham, S.; Iyengar, KP.; Neha, N.; Botchu, R. (2023). <b>Intraoperative Radiological Imaging: An Update on Modalities in Trauma and Orthopedic Surgery.</b> <i>Journal of Arthroscopy and Joint Surgery.</i> 10(2), pp.54-61. [Online]. Available at: <a href="https://doi.org/10.4103/jajs.jajs_143_22">10.4103/jajs.jajs_143_22</a> [Accessed 26 February 2024].	Research Article	Medical & Dental	NA
Maniarasu, S.; Elsayed, M.; Barker, H. (2023). <b>609 Improving Patient Counselling in Patients' With PI-RADS 3 Lesions with the Use of PSA Density, A Retrospective Study in a UK District General Hospital.</b> <i>British Journal of Surgery.</i> 110(Suppl. 7), pp.vii172-vii173. [Online]. Available at: <a href="https://doi.org/10.1093/bjs/znad258.723">https://doi.org/10.1093/bjs/znad258.723</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	9.6
Maniarasu, S.; McNicholas, DP.; Iordan, N. (2023). <b>147 Pre-Operative Urine Culture for Endourology Surgeries.</b> <i>British Journal of Surgery.</i> 110(Suppl. 7), p.vii170. [Online]. Available at: <a href="https://doi.org/10.1093/bjs/znad258.712">https://doi.org/10.1093/bjs/znad258.712</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	9.6
Maniarasu, S.; McNicholas, DP.; Mistry, R. (2023). <b>145 Patient Experience of Bladder Outlet Surgery During Covid-19 in a District General Hospital.</b> <i>British Journal of Surgery.</i> 110(Suppl. 7), p.vii170. [Online]. Available at: <a href="https://doi.org/10.1093/bjs/znad258.711">https://doi.org/10.1093/bjs/znad258.711</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	9.6
Manzo, C.; Nune, A. et al. (2023). <b>Polymyalgia rheumatica and polymyalgia-like syndromes as adverse events following immunisation with COVID-19 vaccines: a 15 months update.</b> <i>Reumatologia.</i> 61(5), pp.408-409. [Online]. Available at: <a href="https://doi.org/10.5114/reum/172508">https://doi.org/10.5114/reum/172508</a> [Accessed 26 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	NA
Manzo, C.; Nune, A.; Castagna, A. (2023). <b>Why would immuno- and endocrinosenescence, age-related changes in the gut microbiota, and susceptibility to infection favour polymyalgia rheumatica over seronegative elderly-onset rheumatoid arthritis.</b> <i>Clinical and experimental rheumatology.</i> 41(9 (Suppl. 135)), pp.S25-S26. [Online]. Available at: <a href="https://doi.org/10.55563/clinexprheumatol/hb7van">https://doi.org/10.55563/clinexprheumatol/hb7van</a> [Accessed 26 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	3.7
Manzo, C; Nune, A et al. (2023). <b>The management of patients with polymyalgia rheumatica: limitations to get it right.</b> <i>Clinical and experimental rheumatology.</i> 41(9 (Suppl. 135)), p.S22. [Online]. Available at: <a href="https://doi.org/10.55563/clinexprheumatol/dxmv11">https://doi.org/10.55563/clinexprheumatol/dxmv11</a> [Accessed 26 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	3.7

Reference	Article Type	Professional Group	1-Year Impact Factor
Mark-Wagstaff, C.; Saunders, S. et al. (2023). <b>Intermittently scanned continuous glucose monitoring and hypoglycaemia awareness in drivers with diabetes: Insights from the Association of British Clinical Diabetologists Nationwide audit.</b> <i>Diabetes, Obesity and Metabolism</i> . 26(1), pp.46-53. [Online]. Available at: <a href="https://doi.org/10.1111/dom.15283">https://doi.org/10.1111/dom.15283</a> [Accessed 26 February 2024].	Research Article	Medical & Dental	5.8
McRae, J.; Morgan, S. et al. (2023). <b>Oropharyngeal Dysphagia in Acute Cervical Spinal Cord Injury: A Literature Review.</b> <i>Dysphagia</i> . 38(4), pp.1025-1038. [Online]. Available at: <a href="https://doi.org/10.1007/s00455-022-10535-0">https://doi.org/10.1007/s00455-022-10535-0</a> [Accessed 28 February 2024].	Research Article	AHP	2.6
Mettu, S.; Iyengar, KP. et al. (2024). <b>Intraarticular Lipoma of the Pisotriquetral Joint: A Rare Case Report.</b> <i>Indian Journal of Radiology and Imaging</i> . eFirst [Online]. Available at: <a href="https://doi.org/10.1055/s-0044-1779521">10.1055/s-0044-1779521</a> [Accessed 2 April 2024].	Case Studies/Case series	Medical & Dental	0.6
Moss, M.; Sha, S.; Sangani, C.; Gledhill, P. (2023). <b>899 Administration of Fascia-Iliaca Blocks for Hip Fracture Patients on Admission to the A&amp;E Department at Southport DGH.</b> <i>British Journal of Surgery</i> . 110(Suppl. 7), p.vii38. [Online]. Available at: <a href="https://doi.org/10.1093/bjs/znad258.154">https://doi.org/10.1093/bjs/znad258.154</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	9.6
Naguib, M.; Elsayed, M. et al. (2023). <b>Percutaneous Closure of Post-infarct Left Ventricular Pseudoaneurysm: A Review of Literature.</b> <i>Current problems in cardiology</i> . 48(8), p.101743. [Online]. Available at: <a href="https://doi.org/10.1016/j.cpcardiol.2023.101743">https://doi.org/10.1016/j.cpcardiol.2023.101743</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	4.2
Naidu, J.; Iyengar, KP. et al. (2024). <b>Safe usage of Mini 'C'-arm in operating room environment: Implications for clinical practice.</b> <i>Journal of Perioperative Practice</i> . Online(March 10, 2024), [Online]. Available at: <a href="https://doi.org/10.1177/17504589241228138">https://doi.org/10.1177/17504589241228138</a> [Accessed 2 April 2024].	Research Article	Medical & Dental	
Naveen, R.; Nune, A. et al. (2023). <b>COVID-19 vaccination in autoimmune diseases (COVAD) study: vaccine safety and tolerance in rheumatoid arthritis.</b> <i>Rheumatology (Oxford)</i> . 62(7), pp.2366-2376. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/keac624">https://doi.org/10.1093/rheumatology/keac624</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	5.5
Naveen, R; Nune, A et al. (2024). <b>Flares in IIMs and the timeline following COVID-19 vaccination: a combined analysis of the COVAD-1 and -2 surveys.</b> <i>Rheumatology (Oxford)</i> . 63(1), pp.127-39. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/kead180">https://doi.org/10.1093/rheumatology/kead180</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	5.5

Reference	Article Type	Professional Group	1-Year Impact Factor
Naveen, R; Nune, A; Thakare, DR; Kuwana, M; Pauling, JD; Day, J; Joshi, M et al. (2023). <b>Systemic sclerosis and COVID-19 vaccine safety: short-term insights from the global COVID-19 vaccination in autoimmune disease (COVAD) survey.</b> <i>Rheumatology International</i> . 43(7), pp.1265-1275. [Online]. Available at: <a href="https://doi.org/10.1007/s00296-023-05310-9">10.1007/s00296-023-05310-9</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	4
Ng, SM. et al. (2023). <b>Paediatric Society and Hyperinsulinism Charity National Surveys on CGM Access for Patients With Recurrent Hypoglycaemia.</b> <i>Journal of the Endocrine Society</i> . 7(4), pp.1-5. [Online]. Available at: <a href="https://doi.org/10.1210/jendso/bvad021">https://doi.org/10.1210/jendso/bvad021</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	4.1
Ng, SM. et al. (2023). <b>Ten-Year Experience of a Global and Freely Accessible e-Learning Website for Pediatric Endocrinology and Diabetes.</b> <i>Hormone research in paediatrics</i> . 96(4), pp.366-375. [Online]. Available at: <a href="https://doi.org/10.1159/000527984">https://doi.org/10.1159/000527984</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	3.2
Ng, SM.; Dearman, S. et al. (2023). <b>Case for funding of continuous glucose monitoring systems for patients with recurrent hypoglycaemia.</b> <i>Archives of disease in childhood</i> . 108(10), pp.816-817. [Online]. Available at: <a href="https://doi.org/10.1136/archdischild-2022-323872">https://doi.org/10.1136/archdischild-2022-323872</a> [Accessed 27 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	5.2
Nischal, N.; Iyengar, KP. et al. (2023). <b>The T1 Ratio of Marrow (TROM) as a Novel Tool to Identify Metastatic from Nonmalignant Marrow Lesions of the Spine: A Pilot Study.</b> <i>Indian Journal of Radiology and Imaging</i> . 33(4), pp.450-455. [Online]. Available at: <a href="https://doi.org/10.1055/s-0043-57255">10.1055/s-0043-57255</a> . [Accessed 26 February 2024].	Research Article	Medical & Dental	0.6
Nongpiur, A.; Nune, A. et al. (2023). <b>A cross-sectional study of the mental health burden among COVID-19 survivors.</b> <i>Indian Journal of Psychiatry</i> . 65(6), pp.661-666. [Online]. Available at: <a href="https://doi.org/10.4103/indianjpsychiatry.indianjpsychiatry_105_23">https://doi.org/10.4103/indianjpsychiatry.indianjpsychiatry_105_23</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	3.1
Nune, A. et al. (2023). <b>E057 A systematic review of new rheumatic immune-mediated inflammatory diseases (R-IMID) following SARS-CoV-2 vaccinations.</b> <i>Rheumatology (Oxford)</i> . 62(Suppl. 2), pp.ii152-ii153. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/kead104.306">https://doi.org/10.1093/rheumatology/kead104.306</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	5.5

Reference	Article Type	Professional Group	1-Year Impact Factor
Nune, A. et al. (2023). <b>New-Onset Rheumatic Immune-Mediated Inflammatory Diseases Following SARS-CoV-2 Vaccinations until May 2023: A Systematic Review.</b> <i>Vaccines (Basel)</i> . 11(10), p.1571. [Online]. Available at: 10.3390/vaccines11101571. [Accessed 26 February 2024].	Research Article	Medical & Dental	7.8
Nune, A.; Iyengar, KP. et al. (2023). <b>Chat generative pre-trained transformer (ChatGPT): potential implications for rheumatology practice.</b> <i>Rheumatology International</i> . 43(7), pp.1379-1380. [Online]. Available at: <a href="https://doi.org/10.1007/s00296-023-05340-3">https://doi.org/10.1007/s00296-023-05340-3</a> [Accessed 27 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	4
Olsson, EK.; Nune, A. et al. (2023). <b>LO-019 Breakthrough SARS-CoV-2 infection in fully vaccinated patients with systemic lupus erythematosus: results from the Covid-19 vaccination in autoimmune disease (COVAD) study.</b> <i>Lupus Science &amp; Medicine</i> . 10(Supp. 1), pp.A16-A17. [Online]. Available at: <a href="https://doi.org/10.1136/lupus-2023-KCR.19">https://doi.org/10.1136/lupus-2023-KCR.19</a> [Accessed 26 February 2024].	Conference abstracts/posters	Medical & Dental	3.9
Panchawagh, S; Nune, A; Ravichandran, N; Barman, B; Javaid, M et al. (2024). <b>COVID-19 breakthrough infections in type 1 diabetes mellitus: a cross-sectional study by the COVID-19 Vaccination in Autoimmune Diseases (COVAD) Group.</b> <i>Rheumatology International</i> . 44(1), pp.73-80. [Online]. Available at: 10.1007/s00296-023-05496-y [Accessed 21 February 2024].	Research Article	Medical & Dental	4
Papineni, VRK.; Ballal, M.; Iyengar, KP.; Botchu, R. (2023). <b>Hydroxyapatite deposition disease (HADD) of the spring ligament: an unusual cause of medial foot pain.</b> <i>Journal of Ultrasound</i> . 26(4), pp.923-8. [Online]. Available at: 10.1007/s40477-023-00781-9. [Accessed 26 February 2024].	Case Studies/Case series	Medical & Dental	2
Parker, R.; Smith, M. et al. (2023). <b>Quality standards for the management of alcohol-related liver disease: consensus recommendations from the British Association for the Study of the Liver and British Society of Gastroenterology ARLD special interest group.</b> <i>BMJ Open Gastroenterology</i> . 10(1), p.e0011221. [Online]. Available at: 10.1136/bmjgast-2023-001221. [Accessed 26 February 2024].	Research Article	Nursing	3.1
Patel, S.; Iyengar, KP.; Botchu, R. (2023). <b>Guest Editors.</b> <i>Journal of Arthroscopy and Joint Surgery</i> . 10(2), p.43. [Online]. Available at: 10.4103/jajs.jajs_30_23 [Accessed 26 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	NA

Reference	Article Type	Professional Group	1-Year Impact Factor
Patel, S; Iyengar, K; Botchu, R. (2023). <b>Second Issue – From the Desk of the Guest Editors.</b> <i>Journal of Arthroscopy and Joint Surgery</i> . 10(3), p.91. [Online]. Available at: 10.4103/jajs.jajs_50_23 [Accessed 26 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	NA
Pillay, SS.; Nune, A.; Raza, H.; Manzo, C.; Barman, B.;. (2023). <b>A case of anti-neutrophil cytoplasmic antibody-associated vasculitis masquerading as Sjögren syndrome.</b> <i>International Journal of Rheumatic Diseases</i> . 26(12), pp.2555-2558. [Online]. Available at: 10.1111/1756-185X.14823. [Accessed 26 February 2024].	Research Article	Medical & Dental	2.5
Pina, IM.; Khadr, RN.; Floyd Jr, MS. (2023). <b>Letter to the editor re: Surgical outcome of male patients with chronic central nervous system disorders and voiding dysfunction due to bladder outlet obstruction.</b> Chang TL, Chen SF, Kuo HC. <i>Int Urol Nephrol</i> . 2022 Oct;54(10):2511-2519. doi: 10.1007/s11255-022-03285-3. Epub 2022 Jul 11. <i>International urology and nephrology</i> . 55(5), pp.1155-1156. [Online]. Available at: <a href="https://doi.org/10.1007/s11255-022-03453-5">https://doi.org/10.1007/s11255-022-03453-5</a> [Accessed 27 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	2
Ravichandran, N.; Nune, A. et al. (2023). <b>OP0081 Prevalence, characteristics, and predictors of breakthrough Covid-19 infections in patients with rheumatoid arthritis : Data from the Covid-19 vaccination in autoimmune disease (COVAD) study.</b> <i>Annals of the Rheumatic Diseases</i> . 82(Suppl. 1), p.56. [Online]. Available at: <a href="https://doi.org/10.1136/annrheumdis-2023-eular.2156">https://doi.org/10.1136/annrheumdis-2023-eular.2156</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	27.4
Roshandel, D.; Mariguddi, S.; Haslam, Z. et al. (2023). <b>SLCO5A1 and synaptic assembly genes contribute to impulsivity in juvenile myoclonic epilepsy.</b> <i>NPJ Genomic Medicine</i> . 8 (1). [Online]. Available at: 10.1038/s41525-023-00370-z [Accessed 26 February 2024].	Research Article	Medical & Dental	NA
Rothman, I et al; Terrett, H (Collaborator). (2023). <b>The Association of Health Locus of Control with Clinical and Psychosocial Aspects of Living with Multiple Sclerosis.</b> <i>Journal of Clinical Psychology in Medical Settings</i> . 30(4), pp.821-835. [Online]. Available at: <a href="https://doi.org/10.1007/s10880-023-09938-4">https://doi.org/10.1007/s10880-023-09938-4</a> [Accessed 1 March 2024]	Research Article	Nursing	2.2
Saad, A.; Iyengar, KP. et al. (2023). <b>Isolated lesions of the pubis.</b> <i>Clinical radiology</i> . 78(10), pp.724-729. [Online]. Available at: <a href="https://doi.org/10.1016/j.crad.2023.05.023">https://doi.org/10.1016/j.crad.2023.05.023</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	2.6



Reference	Article Type	Professional Group	1-Year Impact Factor
Saad, A.; Iyengar, KP. et al. (2023). <b>The Linear Coronal Knee Offset (LCKO)-Preliminary Study of New Method of Measuring Knee Varus/Valgus Malalignment.</b> <i>Indian Journal of Radiology and Imaging.</i> 33(4), pp.484-488. [Online]. Available at: <a href="https://doi.org/10.1055/s-0043-1770085">https://doi.org/10.1055/s-0043-1770085</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	0.6
Saad, A.; Iyengar, KP.; Botchu, R. (2023). <b>A rare case of an intratendinous ganglion cyst extending into the muscle belly of flexor carpi radialis: a case report and review of the literature.</b> <i>Journal of Ultrasound.</i> 26(4), pp.919-922. [Online]. Available at: <a href="https://doi.org/10.1007/s40477-023-00784-6">10.1007/s40477-023-00784-6</a> . [Accessed 26 February 2024].	Case Studies/Case series	Medical & Dental	2
Saad, A.; Iyengar, KP; Kurisunkal, V.; Botchu, R. (2023). <b>Assessing ChatGPT's ability to pass the FRCS orthopaedic part A exam: A critical analysis.</b> <i>Surgeon.</i> 21(5), pp.263-266. [Online]. Available at: <a href="https://doi.org/10.1016/j.surge.2023.07.001">https://doi.org/10.1016/j.surge.2023.07.001</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	2.5
Saad, A; Iyengar, KP; Kurisunkal, VJ; Nischal, N; Davies, AM; Botchu, R. (2024). <b>Periostitis Ossificans: Largest Case Series with Review of Literature.</b> <i>The Indian Journal of Radiology &amp; Imaging.</i> 2024(34), p.1. [Online]. Available at: <a href="https://doi.org/10.1055/s-0043-1770723">10.1055/s-0043-1770723</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	0.6
Sachar, A.; Ng, SM.; Breslin, N. (2023). <b>An integrated care model for mental health in diabetes: Recommendations for local implementation by the Diabetes and Mental Health Expert Working Group in England.</b> <i>Diabetic Medicine.</i> 40(4), p.e15029. [Online]. Available at: <a href="https://doi.org/10.1111/dme.15029">https://doi.org/10.1111/dme.15029</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	3.5
Saini, R.; Iyengar, KP. et al. (2023). <b>Evolving Role of Negative Pressure Wound Therapy with Instillation and Dwell Time (NPWTi-d-) in Management of Trauma and Orthopaedic Wounds : Mechanism, Applications and Future Perspectives.</b> <i>Indian Journal of Orthopaedics.</i> 57(12), pp.1968-1983. [Online]. Available at: <a href="https://doi.org/10.1007/s43465-023-01018-x">https://doi.org/10.1007/s43465-023-01018-x</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	1
Sandhu, NK; Nune, A; Ravichandran, N; Day, J; Sen, P; Nikiphorou, E et al. (2024). <b>Flares of autoimmune rheumatic disease following COVID-19 infection: Observations from the COVAD study.</b> <i>International Journal of Rheumatic Diseases.</i> 2023(27), p.1. [Online]. Available at: <a href="https://doi.org/10.1111/1756-185X.14961">10.1111/1756-185X.14961</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	2.5

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Santos Hoff, L.; Nune, A. et al. (2024). <b>Characteristics of and risk factors for COVID-19 breakthrough infections in idiopathic inflammatory myopathies: results from the COVAD study.</b> <i>Rheumatology (Oxford)</i> . Corrected Proof(02 March 2024) [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/keae128">https://doi.org/10.1093/rheumatology/keae128</a> [Accessed 2 April 2024].	Research Article	Medical & Dental	5.5
Sen, P.; Nune, A. et al. (2023). <b>POS0273 Post covid-19 syndrome in patients with autoimmune rheumatic diseases : results from the Covad study.</b> <i>Annals of the Rheumatic Diseases</i> . 82(Suppl. 1), pp.375-376. [Online]. Available at: <a href="https://doi.org/10.1136/annrhumdis-2023-eular.4241">https://doi.org/10.1136/annrhumdis-2023-eular.4241</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	27.4
Sen, P.; Nune, A. et al. (2023). <b>Post-COVID-19 condition in patients with autoimmune rheumatic diseases: the COVID-19 Vaccination in Autoimmune Diseases (COVAD) study.</b> <i>The Lancet Rheumatology</i> . 5(5), pp.E247-E250. [Online]. Available at: <a href="https://doi.org/10.1016/S2665-9913(23)00066-8">https://doi.org/10.1016/S2665-9913(23)00066-8</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	25.4
Sen, P.; Nune, A. et al. (2023). <b>Vaccine hesitancy decreases in rheumatic diseases, long-term concerns remain in myositis: a comparative analysis of the COVAD surveys.</b> <i>Rheumatology (Oxford)</i> . 62(10), pp.3291-3301. [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/kead057">https://doi.org/10.1093/rheumatology/kead057</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	5.5
Shah, A.; Iyengar, KP. et al. (2023). <b>The Pelican Sign: Case Series Demonstrating A Unique Description of an Anteriorly Flipped Bucket-Handle Meniscal Tear of the Knee.</b> <i>Indian Journal of Radiology and Imaging</i> . 33(2), pp.157-161. [Online]. Available at: <a href="https://doi.org/10.1055/s-0042-1759859">10.1055/s-0042-1759859</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	0.6
Shah, A.; Iyengar, KP.; Beale, D.; Sonsale, P.; Botchu, R. (2023). <b>Significance of the Ancillary Posterior Knee Soft-Tissue Edema Sign in Traumatic Knee Injuries.</b> <i>Journal of Arthroscopy and Joint Surgery</i> . 10(4), pp.177-182. [Online]. Available at: <a href="https://doi.org/10.4103/jajs.jajs_18_23">10.4103/jajs.jajs_18_23</a> [Accessed 26 February 2024].	Research Article	Medical & Dental	NA
Shinjo, SK.; Nune, A. et al. (2023). <b>Pain in individuals with idiopathic inflammatory myopathies, other systemic autoimmune rheumatic diseases, and without rheumatic diseases : A report from the COVAD study.</b> <i>International journal of rheumatic diseases</i> . 26(4), pp.727-739. [Online]. Available at: <a href="https://doi.org/10.1111/1756-185x.14636">https://doi.org/10.1111/1756-185x.14636</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	2.5

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Shojaie, P.; Iyengar, KP. et al. (2023). <b>Kiloh-Nevin syndrome: an unusual cause of forearm pain.</b> <i>Journal of ultrasound</i> . Online ahead of print. [Online]. Available at: <a href="https://doi.org/10.1007/s40477-023-00794-4">https://doi.org/10.1007/s40477-023-00794-4</a> [Accessed 27 February 2024].	Case Studies/Case series	Medical & Dental	2
Shojaie, P.; Iyengar, KP. et al. (2023). <b>Ultrasound-guided median nerve hydrodissection of pronator teres syndrome: a case report and a literature review.</b> <i>Journal of Ultrasonography</i> . 23(94), pp.e165-e169. [Online]. Available at: <a href="https://doi.org/10.15557%2Fjou.2023.0026">https://doi.org/10.15557%2Fjou.2023.0026</a> [Accessed 28 February 2024].	Research Article	Medical & Dental	1.1
Shojaie, P.; Iyengar, KP.; Yousef, MMA. et al. (2023). <b>Bone Tumor Imaging: An Update on Modalities and Radiological Findings.</b> <i>Journal of Arthroscopy and Joint Surgery</i> . 10(3), pp.131-138. [Online]. Available at: <a href="https://doi.org/10.4103/jajs.jajs_31_23">10.4103/jajs.jajs_31_23</a> [Accessed 26 February 2024].	Research Article	Medical & Dental	NA
Sieiro Santos, C.; Nune, A. et al. (2024). <b>Breakthrough SARS-CoV-2 infection and disease flares in patients with rheumatoid arthritis: result from COVAD e-survey study.</b> <i>Rheumatology International</i> . 44, pp.805-17. [Online]. Available at: <a href="https://doi.org/10.1007/s00296-024-05542-3">https://doi.org/10.1007/s00296-024-05542-3</a> [Accessed 2 April 2024].	Research Article	Medical & Dental	4
Singh, M.; Iyengar, KP. et al. (2023). <b>Mycobacterium Tuberculosis infection of the wrist joint: A current concepts review.</b> <i>Journal of clinical orthopaedics and trauma</i> . 44(102257). [Online]. Available at: <a href="https://doi.org/10.1016/j.jcot.2023.102257">https://doi.org/10.1016/j.jcot.2023.102257</a> [Accessed 26 February 2024].	Research Article	Medical & Dental	NA
Singh, S.; Iyengar, KP et al. (2023). <b>Delivering surgical education: a specialist surgical society and undergraduate student collaboration.</b> <i>Postgraduate medical journal</i> . 99(1172), pp.639-643. [Online]. Available at: <a href="https://doi.org/10.1136/postgradmedj-2021-140849">https://doi.org/10.1136/postgradmedj-2021-140849</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	5.1
Smith, E.; Iyengar, KP. et al. (2023). <b>Does Chemical Shift Magnetic Resonance Imaging Improve Visualization of Pars Interarticularis Defect?.</b> <i>Indian Journal of Radiology and Imaging</i> . 33(3), pp.327-331. [Online]. Available at: <a href="https://doi.org/10.1055/s-0043-1764490">https://doi.org/10.1055/s-0043-1764490</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	0.6
Teja, KJSS R; Iyengar, KP; Mallik, GRM; Jenko, N; Durgraprasad, BK; Botchu, R. (2024). <b>Value of chemical shift imaging in the evaluation of neural foramen stenosis.</b> <i>Journal of Clinical Orthopaedics and Trauma</i> . 48(January), p.102338.	Research Article	Medical & Dental	NA

Reference	Article Type	Professional Group	1-Year Impact Factor
[Online]. Available at: <a href="https://doi.org/10.1016/j.jcot.2024.102338">https://doi.org/10.1016/j.jcot.2024.102338</a> [Accessed 21 February 2024].			
The Covid-19 Host Genetics Initiative; Heath, C (Collaborator); Jakkula, S (Coll. (2023). <b>GWAS and meta-analysis identifies 49 genetic variants underlying critical COVID-19.</b> <i>Nature</i> . 617(7962), pp.764-768. [Online]. Available at: <a href="http://dx.doi.org/10.1038/s41586-023-06034-3">http://dx.doi.org/10.1038/s41586-023-06034-3</a> [Accessed 26 February 2024].	Research Article	Medical & Dental	NA
The Covid-19 Host Genetics Initiative; Heath, C (Collaborator); Jakkula, S (Collaborator); Morris, A (Collaborator); Ahmed, A (Collaborator); Nune, A (Collaborator); Buttriss, C (Collaborator); Whitaker, E (Collaborator). (2023). <b>A second update on mapping the human genetic architecture of COVID-19.</b> <i>Nature</i> . 621(7977), pp.E7-E26. [Online]. Available at: <a href="https://doi.org/10.1038/s41586-023-06355-3">10.1038/s41586-023-06355-3</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	NA
Ting, DSJ et al. (2023). <b>The Royal College of Ophthalmologists' National Ophthalmology Database study of cataract surgery: report 16, influence.</b> <i>Eye</i> . 37(18), pp.3854-3860. [Online]. Available at: <a href="https://doi.org/10.1038/s41433-023-02665-y">https://doi.org/10.1038/s41433-023-02665-y</a> [Accessed 1 March 2024] S&O provided data	Research Article	Medical & Dental	NA
Utari, A.; Ng, SM. et al. (2023). <b>P1-533 Utilizing ESPE e-learning to educate Pediatric Endocrinologists in Indonesia: Web-Series on Pediatric Endocrinology and Diabetes (WeSPED), an initiative of the European Society for Paediatric Endocrinology (ESPE) e-learning committee and the Indonesian Pediatric Society (Ikatan Dokter Anak Indonesia-IDAI).</b> <i>Hormone Research in Paediatrics</i> . 96(Suppl. 4), p.353. [Online]. Available at: <a href="https://doi.org/10.1159/000533803">https://doi.org/10.1159/000533803</a> [Accessed 28 February 2024].	Conference abstracts/posters	Medical & Dental	3.2
Vaishya, R.; Iyengar, KP et al. (2023). <b>Demystifying the Risk Factors and Preventive Measures for Osteoporosis.</b> <i>Indian journal of orthopaedics</i> . 57(Suppl. 1), pp.94-104. [Online]. Available at: <a href="https://doi.org/10.1007/s43465-023-00998-0">https://doi.org/10.1007/s43465-023-00998-0</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	1
Vaishya, R.; Iyengar, KP. et al. (2023). <b>ChatGPT in the current form is not ready for unaudited use in healthcare and scientific research.</b> <i>Cancer Research, Statistics and Treatment</i> . 6(2), pp.336-337. [Online]. Available at: <a href="https://doi.org/10.4103/crst.crst_144_23">10.4103/crst.crst_144_23</a> [Accessed 27 February 2024].	Letters/comments/editorials/book reviews	Medical & Dental	NA

Reference	Article Type	Professional Group	1-Year Impact Factor
Vaishya, R.; Iyengar, KP.; Vaish, Abishek. (2023). <b>Exercise-induced petechiae (EIP) of the forearm after intense, railing-assisted squat exercise.</b> <i>BMJ Case Reports.</i> 16(7), p.-. [Online]. Available at: <a href="https://doi.org/10.1136/bcr-2023-255969">https://doi.org/10.1136/bcr-2023-255969</a> [Accessed 27 February 2024].	Case Studies/Case series	Medical & Dental	0.9
Venerito, V.; Nune, A. et al. (2023). <b>POS0880 Comparative disease burden in patients with rheumatoid arthritis, psoriatic arthritis or ankylosing spondylitis: data from COVAD patient-reported e-survey.</b> <i>Annals of the Rheumatic Diseases.</i> 82(Suppl. 1), pp.746-747. [Online]. Available at: <a href="https://doi.org/10.1136/annrhumdis-2023-eular.4686">https://doi.org/10.1136/annrhumdis-2023-eular.4686</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	27.4
Viswanathan, VK.; Iyengar, KP. et al. (2023). <b>Does intraoperative patellar eversion affect clinical and functional outcomes in patients undergoing primary total knee arthroplasty? An evidence-based meta-analysis.</b> <i>International orthopaedics.</i> 47(8), pp.1947-1961. [Online]. Available at: <a href="https://doi.org/10.1007/s00264-023-05797-8">https://doi.org/10.1007/s00264-023-05797-8</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	2.7
Viswanathan, VK.; Iyengar, KP.; Sangani, C. et al. (2023). <b>SMART (self-monitoring analysis and reporting technology) and sensor based technology applications in trauma and orthopaedic surgery.</b> <i>Journal of Orthopaedics.</i> 44(10). [Online]. Available at: 10.1016/j.jor.2023.09.006 [Accessed 26 February 2024].	Research Article	Medical & Dental	1.5
Viswanathan, VK; Iyengar, KP; Jain, VK. (2024). <b>The role of peroneus longus (PL) autograft in the reconstruction of anterior cruciate ligament (ACL): A comprehensive narrative review.</b> <i>Journal of Clinical Orthopaedics and Trauma.</i> 49(February), p.eCollection. [Online]. Available at: <a href="https://doi.org/10.1016/j.jcot.2024.102352">https://doi.org/10.1016/j.jcot.2024.102352</a> [Accessed 21 February 2024].	Research Article	Medical & Dental	NA
Viswanathan, VK; Iyengar, KP; Patralekh, MK; Kalanjiyam, GP et al. (2024). <b>Total hip arthroplasty in active and advanced tubercular arthritis: a systematic review of the current evidence.</b> <i>International Orthopaedics.</i> 48(1), pp.79-93. [Online]. Available at: 10.1007/s00264-023-05943-2 [Accessed 21 February 2024].	Research Article	Medical & Dental	2.7
Wei, N. et al; Lever, C; Sood, A.; Moss, M.; Khatir, M. (Collaborators). (2023). <b>ORTHOPAEDIC trauma hospital outcomes - Patient operative delays (ORTHOPOD) Study: The management of day-case orthopaedic trauma in the</b>	Research Article	Medical & Dental	2.5

Reference	Article Type	Professional Group	1-Year Impact Factor
United Kingdom. <i>Injury</i> . 54(6). [Online]. Available at: <a href="https://doi.org/10.1016/j.injury.2023.03.032">https://doi.org/10.1016/j.injury.2023.03.032</a> [Accessed 28 February 2024].			
Yoshida, A.; Nune, A. et al. (2023). <b>Gender differences in patient experience in idiopathic inflammatory myopathies: Sub analysis from the COVAD dataset.</b> <i>Modern rheumatology</i> . Online ahead of print [Online]. Available at: <a href="https://doi.org/10.1">https://doi.org/10.1</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	2.2
Yoshida, A.; Nune, A. et al. (2023). <b>POS1231 Impaired health-related quality of life in patients with idiopathic inflammatory myopathies : a cross-sectional analysis from an international e-survey.</b> <i>Annals of the Rheumatic Diseases</i> . 82(Suppl. 1), pp.952-953. [Online]. Available at: <a href="https://doi.org/10.1136/annrheumdis-2023-eular.4418">https://doi.org/10.1136/annrheumdis-2023-eular.4418</a> [Accessed 27 February 2024].	Conference abstracts/posters	Medical & Dental	27.4
Yoshida, A.; Nune, A. et al. (2024). <b>Impaired health-related quality of life in idiopathic inflammatory myopathies: a cross-sectional analysis from the COVAD-2 e-survey.</b> <i>Rheumatology Advances in Practice</i> . 8(2) In Progress. [Online]. Available at: <a href="https://doi.org/10.1093/rap/rkae028">https://doi.org/10.1093/rap/rkae028</a> [Accessed 2 April 2024].	Research Article	Medical & Dental	3.1
Yousif, MA.; Khadr, R.; Iordan, N.; Nasser, Y; Stevenson, J. (2023). <b>Metastatic oesophageal adenocarcinoma to the testes: A rare presentation.</b> <i>Journal of Clinical Urology</i> . 16(4), pp.420-423. [Online]. Available at: <a href="https://doi.org/10.1177/20514158211002713">https://doi.org/10.1177/20514158211002713</a> [Accessed 28 February 2024].	Case Studies/Case series	Medical & Dental	0.3
Ziade, N.; Nune, A. et al. (2023). <b>Global disparities in the treatment of idiopathic inflammatory myopathies: results from an international online survey study.</b> <i>Rheumatology (Oxford)</i> . Online ahead of print [Online]. Available at: <a href="https://doi.org/10.1093/rheumatology/kead250">https://doi.org/10.1093/rheumatology/kead250</a> [Accessed 27 February 2024].	Research Article	Medical & Dental	5.5