

Curriculum Vitae

Dr JONATHAN NIRANJAN RAJAN

BSc (Hons) PG Cert (Med Ed) MBChB

FRCA FFPMRCA

Consultant in Pain Medicine and Anaesthesia

Expert Witness in Pain Medicine

Salford Care Organization (Northern Care Alliance)

Leeds NHS Trust

The Faculty of
Expert Witnesses 



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Personal Details

JONATHAN RAJAN CONSULTANT IN PAIN MEDICINE

Date of Birth: 1 October 1981 **Nationality:** British **Gender:** Male

Address: Orth Team Centre
Didsbury
Manchester

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GMC number: 6134727 **RCOA College ref no:** 673945 **MDDUS number:** M144265

Website: <https://www.manchester-pain-clinic.co.uk>

Education and Qualifications

Medicolegal	Bond Solon Excellence in report writing	2018/2022
Medicolegal	Bond Solon Cross examination skills	2022
Medicolegal	Bond Solon Courtroom skills	2022
Medicolegal	Cardiff Expert Witness certificate	. August 2022
EEPIN	London City University - spinal cord stimulation	July 2023
PG Cert (MED ED)	Edge Hill University (Merit)	June 2016
FFPMRCA	Fellow of the Faculty of Pain Medicine	
	Examination and viva passed with full marks	April 2014
FRCA	Fellow of The Royal College of Anaesthetists	Dec 2011
MBChB	The University of Edinburgh	June 2006
BSc (Hons)	The University of Edinburgh `Virology 2:1	June 2003
A Levels	Merchant Taylors School 5 A grades	June 2000
Certificate of Intermediate Anaesthetic Training		June 2012
Advanced training fellowship in Pain Medicine		July 2014

Current Posts

- Consultant in Pain Medicine and Anaesthesia 2015
- Honorary Consultant post in neuromodulation St Barts and The London 2023
- Honorary Consultant post in neuromodulation Leeds NHS trusts 2025
- Board Member Faculty of Pain Medicine
- Elected Member of the Royal Society of Medicine Pain Medicine Council 2025
- Chair to the Regional Advisors of the Faculty of Pain Medicine
- Vice Chair Board of Royal Court of Examiners for the Faculty of Pain Medicine 2023
- Regional Advisor In Pain Medicine 2021 (6 year term)
- OSCE exec Group Board of Examiners Faculty of Pain Medicine
- Faculty of Pain Medicine Training and Assessment Board.
- Spire Didsbury Pain and Medicines management committee medical representative
- Faculty Pain Tutor Salford Royal Foundation Trust August 2017
- Lead for Under graduate pain medicine teaching Manchester University 2017
- Faculty of Pain Medicine Regional Lead for undergraduates 2018 onwards
- Essential Pain Medicine (EPMAG) Regional Advisory Group (National committee post.)
- British Pain Society Education Committee member and Lead for Communication-Pain Education Specialist Interest Group 2017

Academic Achievements/Prizes

- **PG Cert Med Ed.** Module 1 – Distinction
- **PG Cert Med Ed.** Module 2 – Merit
- **EEPIN** - London City qualification in Spinal Cord Stimulation
- **Robbie McKendrick** prize for audit runner up North West Deanery 2012
- **Special Study Module Research Project:** Merit, Edinburgh University
- **FRCA** - Full marks in Final FRCA basic science and clinical vivas
- **AAGBI Travel Grant** – Grant bestowed by the International Relations Committee for work as a faculty member for the Emerging Pain Course Nepal and Ethiopia.
- **FANZCA Travel Grant** – Grant bestowed by the International Relations Committee of the Federation of Anaesthetists of New Zealand College of anaesthetists.
- **Harrison Scholar**

Membership of Learned Societies

- UK and Ireland chapter of the International Neuromodulation Society
- British Pain Society
- Royal College of Anaesthetists – Fellow's membership by examination
- Association of Anaesthetists of Great Britain and Ireland
- International Society For the Study of Pain.
- Member of the Faculty of Medical Management and Leadership
- Society for ethics and law in medicine

My Current Practice Pain Medicine and Anaesthesia

NHS Clinical Pain Medicine

My consultant practice involves conducting a range of interdisciplinary pain medicine clinics with interventional practice including spinal cord stimulation, radiofrequency, coeliac plexus blocks, nerve root blocks and epidurals.

My passion is Spinal Cord stimulation. I regularly implant spinal cord stimulators at Barts NHS trust and my aim is to develop the service at Salford Care Organization.

I assess both secondary and tertiary pain medicine referrals and I work as an integral part of an interdisciplinary pain management team, aiming to maximise patient involvement and satisfaction.

I regularly lead specialist clinics in complex regional pain syndrome, musculoskeletal pain and fibromyalgia. I regularly assess patient referred from orthopaedics, neurology and neurosurgery for pain medicine input.

I lead the service in terms of metabolic medicine patients with chronic pain (working in one of only 2 national centres that specialise in such disease) with close working links with a quaternary metabolic medicine department. I regularly present at conferences on pain management, particularly in metabolic conditions, for medical professionals and for the public and patients and have lectured to both specialist groups and patient groups on the subject of chronic pain in metabolic disease nationally and at international conferences.

I conduct acute pain ward rounds and see both chronic and cancer pain patients. I have also led the development of a new clinical service aimed at the successful triage and treatment of chronic fatigue and fibromyalgia patients working with psychologists, managers and endocrinologists

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I am one of two consultants who run the radiofrequency service and have an interest in radiofrequency denervation for back, knee, and hip pain as well as headache. I am passionate about developing the neuromodulation service to patients and as such have sought teaching opportunities in the UK and Ireland. I hope to complete a post graduate certificate of education neuromodulation and have travelled across Europe to various neuromodulation centres. I also work as an honorary consultant in pain medicine and neuromodulation at Barts NHS trust.

Pain Medicine Leadership Roles

I am a board member of the Faculty of Pain Medicine, Chair of the Regional Advisors in Pain Medicine and on the board of examiners for the Faculty of Pain medicine. I am Vice Chair of Examinations for the Faculty of Pain Medicine of the Royal College of Anaesthetists. I have been a board member of the Faculty of Pain Medicine since 2023. I have begun to spearhead the national transition of the FFMMRCA exam to an OSCE based format as chair of the OSCE exec group. I have also recently been elected onto the pain medicine council of the Royal Society of Medicine.

I am also involved routinely treating patients within a quaternary pain metabolic clinic as a national expert in pain in metabolic disease and interdisciplinary working with a range of surgical specialities

NHS Anaesthesia

My anaesthetic practice is varied and involves anaesthesia for major trauma, orthopaedics, ENT, neurosurgery, major spinal reconstructions, urology, gynaecology and adult and paediatric emergencies in a tertiary hospital and major trauma centre. I am a member of the difficult airway and mucopolysaccharidosis group within the anaesthesia department.

Research

The Human Pain Research group is one of the leading research groups in the world, involved in understanding the interplay between pain and the human brain. I have set up new links with the pain centre at Salford such that we are able to recruit patients for research projects.

These include the identification of a unique electroencephalographic signature for musculoskeletal pain secondary to osteoarthritis or rheumatoid arthritis. I have also been involved in brain Responses to pain in fibromyalgia and in healthy Individuals as a co-recruiter for this trial with the Human Pain Research Group.

I am involved in ongoing trials of hydrotherapy for MPS patients.

Medicolegal

I am experienced in the production of reports for personal injury, and negligence cases. I have completed the Bond Solon Expert Witness Cardiff Certificate. I am a registered expert witness and a member of the Faculty of Expert Witnesses. I have completed the Pain Expert 3-day course in medicolegal skills for pain experts. I have attended courses in report writing, preparation for court and cross-examination courses. I consult in Manchester, Birmingham and London as well as countrywide. I offer short turnaround times and a wealth of experience from a background in one of the few large, interdisciplinary tertiary NHS chronic pain clinics. I am adept at writing joint reports and providing swift and fastidious responses to Part 35 questions. I work nationwide and produce around 100 expert reports per year with a claimant-to-defendant ratio of approximately 80:20.

Private Practice

I have an established private pain medicine practice seeing around 300 new patients per year at the Orth Team Centre and the BMI Alexandra. As part of this I offer a range of interventions and holistic care.

My areas of specialist interest include neuromodulation in the form of conventional, pulsed and more recently cooled radiofrequency technique to treat a variety of both neuropathic and nociceptive pain complaints. I also have an interest in regenerative medicine and Platelet Rich Plasma therapies. I hope to be able to offer cutting edge, personalised patient centred and holistic care.

My website is available for inspection at:-

<https://www.manchester-pain-clinic.co.uk>

Research

- Identification of a unique electroencephalographic signature for musculoskeletal pain secondary to osteoarthritis or rheumatoid arthritis.
- Brain Responses to Pain in Fibromyalgia and in Healthy Individuals - co-recruiter for this trial with the Human Pain Research Group.
- Sublingual Fentanyl in Burns Work shortlisted for the Regional Robbie McKendrick Audit and Research prize. Also presented at the International Society for Burn Injuries Meeting 2012, Edinburgh and published as an abstract.
- BSC research project. The role of murine gammaherpesvirus 68 in macrophages of interferon receptor knockout mice. This one year lab based project was presented to the Virology department of the University of Edinburgh. I learnt techniques of cell culture and ELISA during my research project, the skills of literature reviews and evaluating the evidence base. I also achieved a First Class standard in my final evidence based interpretation paper. The year as a whole, made me appreciate research governance and understand the pitfalls of research and the potential applications to clinical practice.

Publications

- Begum N, Taylor JR, Brown C, Rajan J, Keevil B, Pye E, Rainey T, Jones A. Morning and evening salivary cortisol levels in patients with chronic widespread pain and those at high risk. *Eur J Pain*. 2022 Jan;26(1):197-206. doi: 10.1002/ejp.1854. Epub 2021 Sep 12. PMID: 34437747.
- Rajan JN, Ireland K, Johnson R, Stepien KM. Review of Mechanisms, Pharmacological Management, Psychosocial Implications, and Holistic Treatment of Pain in Fabry Disease. *J Clin Med*. 2021 Sep 15;10(18):4168. doi: 10.3390/jcm10184168. PMID: 34575277; PMCID: PMC8472766.
- Omics and Anaesthesia:pharmacogenomics, proteomics, and metabolomics. Walton TEF, Rajan JN. *Anaesthesia and Intensive Care Medicine* 2019; 20:248-253
- Comment on 'Association between intraoperative opioid administration and 30-day readmission: a pre-specified analysis of registry data from a healthcare network in New England' (*Br J Anaesth* 2018;120:1090–1102) Chincholkar M, Ireland K, Rajan J

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- The Clinical Use of Methadone in cancer and chronic pain medicine. Rajan J and Scott-Warren J. BJA Education Volume 16, Issue 3, 1 March 2016, Pages 102–106,
- Taking the Pain out of Consultant Applications. Published in Transmitter and on the Faculty of Pain Medicine website. <https://www.fpm.ac.uk/node/20095>
- Thoughts, trials and Travels of a pain fellow – Accepted for publication in *The Gas* RCOA newsletter. <http://www.rcoa.ac.uk/system/files/TRG-AT-Gas10.pdf>
- First Steps in Paediatric Pain. Accepted for publication in *Transmitter*. (Newsletter of the Faculty of Pain Medicine.) <https://www.rcoa.ac.uk/system/files/FPM-Transmitter-Spring-2015.pdf>
- Co author of a guideline on Implantable devices for pain management commissioned by the specialist interest group on implantable therapies in association within the British Pain Society.
- Neuromuscular blocking agents for patients with acute respiratory distress syndrome Guang-Ying Zhuo , Qing He , Li J Yang , Guan J Liu and Jonathan N Rajan. Cochrane Protocol January 2014
- An integrated approach to the discharge of patients on strong opioids to the community . Rajan JN, de Mello W. e letter British Journal of Anaesthesia. January 2012 http://bj.oxfordjournals.org/content/107/6/1013/reply#brjana_el_8296?sid=6ada6e65-1c9c-4199-a86c-333484acced4
- Pain and Suffering: Twins that can be managed using an interdisciplinary and biopsychosocial health model. Rajan JN, de Mello W. Emerg Med J doi:10.1136/emered-2012-201308 <http://emj.bmj.com/content/early/2012/04/18/emered-2012-201308.full>
- Emerging Pain Course Nepal – Project report accepted for publication on AAGBI website 2012
- An alternative approach to needle thoracostomy for tension pneumothorax. Rajan JN de Mello W. Injury April 2012 <http://dx.doi.org/10.1016/j.injury.2012.03.030>,
- National Perioperative hypothermia survey – routine perioperative temperature management by anaesthetists. Rajan JN, Wilmeratne A, Patel S, Lappin A. European Journal of Anaesthesiology. Vol 28(s) 8-9 June 2011

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- How to Insert a Central Line. Rajan JN, Bajaj S, Kaur K, Stephens S. University College London. British Journal of Hospital Medicine (17508460); Sep 2009 Supplement, Vol. 70, (14)
- The Epidemiology and Clinical Features of Collagenous Colitis in Lothian. Rajan J, C. Noble C, Anderson C, Satsangi J, Lessels A, M, Arnott I. Gastrointestinal Unit, University of Edinburgh Department of Medical Sciences, School of molecular and clinical medicine, UK. Department of Pathology, Western General Hospital Edinburgh, UK Gut, Apr 2005,; 54: a1-a117.
- Health and Safety Executive in house Publication. Occupational Respiratory disease guidelines.
- BSC research project. The role of murine gammaherpesvirus 68 in macrophages of interferon receptor knockout mice. A 1 year lab based research project.