



**Dr Shyam S Balasubramanian MBBS MD MSc FRCA FFPMRCA
Consultant in Pain Medicine & Anaesthesia**

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CURRICULUM VITAE

Name: Shyam Sundar Balasubramanian

Date of birth: 30th May 1972

Nationality: British

Address: Pain Expert Limited

GMC status: Registered with a licence to practice.

GMC number: 5203859

Education:	Stanley Medical College, India (Under-Grad)	1989 – 1995
	Madurai Medical College, India (Post-Grad)	1996 – 1999
	University of Western Ontario, Canada	2005 – 2006
	University of Warwick, UK (Masters)	2009 – 2012

Qualifications:	MBBS	1995
	MD (Anaesthesia)	1999
	FRCA	2003
	FFPMRCA	2008
	MSc (Medical Leadership)	2012

NHS employment: UHCW NHS Trust, Coventry 2007-

Private practice:	BMI Meriden, Coventry	2007-
	Dolan Park Hospital, Bromsgrove	2008-

Medicolegal practice:	BMI Meriden, Coventry	2019-
	The Treatment Rooms, Knowle	2019-

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Professional qualifications: I qualified MBBS at The Tamil Nadu Dr MGR Medical University, India in 1995. Following graduation, I completed 3 years post-graduate training in anaesthesia and was awarded Doctor of Medicine (MD) in 1999. In the UK, my structured training in anaesthesia and pain medicine were from East Yorkshire and Warwickshire Schools of Anaesthesia. I became a Fellow of the Royal College of Anaesthetists in 2003. I did my advanced pain training in the University of Western Ontario, Canada in 2005-06 and was granted Foundation Fellowship of the Faculty of Pain Medicine of the Royal College of Anaesthetists (FFPMRCA) in 2008. I obtained Masters in Science (MSc) in Medical Leadership from University of Warwick, UK in 2012.

NHS Consultant appointments: I was appointed as Consultant in Pain Medicine & Anaesthesia at University Hospitals Coventry & Warwickshire NHS Trust in July 2007. My pain practice includes biopsychosocial assessment of patients with chronic pain and planning management strategies including minimally invasive interventional procedures, advanced pharmacological management and organising referral to the community pain management programme. My anaesthesia practice involves providing perioperative care for patients undergoing major orthopaedics, trauma and plastic reconstruction surgeries.

Private practice: I do pain clinical practice at the BMI Meriden, Coventry. I do private anaesthesia practice in Dolan Park Hospital, Bromsgrove where I care for patients undergoing cosmetic and bariatric surgeries.

Clinical experience: I have clinical experience from 3 different healthcare systems. In pain medicine, I have a special interest in spinal pain, musculoskeletal pain, neuropathic pain, chronic widespread pain and persistent post-traumatic / post-surgical pain. In anaesthesia, I have interest in providing perioperative care for patients undergoing major trauma, orthopaedic and plastic surgeries.

Education experience: As the Education Meeting Advisor for the Faculty of Pain Medicine, Royal College of Anaesthetists, London (2013-19), I have successfully conducted several meetings. Since 2007, I have been training in 'ultrasound' and 'spine injections' workshops in various national courses (2007-). I have delivered Interdisciplinary Educational lectures in different specialty meetings (Orthopaedics, Rheumatology, Palliative Care, Surgery, Endocrine).

In Warwick Medical School, I helped develop and deliver the Brain & Behaviour Module. In 2018, introduced 'Essential Pain Medicine' teaching for the medical students. I am the Prescribing / Pharmacy Lead and have coauthored a book on prescribing safety to help prepare safe doctors.

As an Editor for British Journal of Anaesthesia Education (2011-16), I have supported anaesthetists & pain specialists to obtain their CPD for revalidation. I edited 32 articles and conducted 63 reviews for this official journal of the Royal College.

Positions held:

Regional Advisor in Pain Medicine, West Midlands (Oct 2018-)
Prescribing / Pharmacy Lead, Warwick Medical School (July 2017-)
Honorary Clinical Lecturer, Warwick Medical School (Jan 2017-)
Education Committee Member, Royal College of Anaesthetists (Mar 2017-Dec 2019)
Professional Standards Committee Member, Faculty of Pain Medicine (Jan 2013-Dec 2019)
Editor, British Journal of Anaesthesia Education (Jan 2011 to Mar 2016)
Associate Clinical Teacher, Warwick Medical School (July 2009 to Aug 2015)

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Positions Held (Continued):

Committee Member, Interventional Pain Medicine SIG, British Pain Society (May 2009 to June 2013)

Clinical Lead in Pain Medicine, UHCW NHS Trust, Coventry (Jan 2009 to Dec 2012)

Research experience:

- *Co-applicant* for the current research '*I-WOTCH (Improving the well-being of people with opioid treated chronic pain)*'. Funded by National Institute for Health Research Health Technology Assessment, the study tests the hypothesis that a group multicomponent self-management intervention combined with individual support will improve activities of daily living, for people using strong opioids for chronic non-malignant pain. (2016-)
- *Primary Collaborator* for the research project '*Single-centre randomised controlled trial of multimodal periarticular anaesthetic infiltration versus single-agent femoral nerve blockade as analgesia for total knee arthroplasty: Perioperative Analgesia for Knee Arthroplasty (PAKA)*'. (2013-16).
- *Principal Investigator* for '*Facet injection Study*'. This multicentred study primary research was conducted by Warwick Clinical Trials unit and funded by National Institute for Health Research Health Technology Assessment Programme. (2014-16)
- *Primary Collaborator* for the research project '*The safety of peri-articular local anaesthetic injection for patients undergoing total knee replacement with autologous blood transfusion: a randomised trial*'. (2011-12)
- As a Fellow in Chronic Pain Management I was an *Investigator* in the research project '*Understanding how analgesia affects the central nervous system processing of pain in patients with fibromyalgia*'. The project was funded by Canadian Institute for Health Research. (2005-06)

Publications (Journal)

- Sandhu H, Abraham C, Alleyne S, Balasubramanian S, Betteley L, Booth K et al. Testing a support programme for opioid reduction for people with chronic non-malignant pain: The I-WOTCH randomised controlled trial protocol. *BMJ Open*. 2019 Jun 12.
- Wall PD, Parsons NR, Parsons H, Achten J, Balasubramanian S, et al. A pragmatic randomised controlled trial comparing the efficacy of a femoral nerve block and periarticular infiltration for early pain relief following total knee arthroplasty. *Bone Joint J* 99.7 (2017): 904-911.
- Ellard DR, Underwood M, Achana F, Antrobus JHL, Balasubramanian S, et al. Facet joint injections for people with persistent non-specific low back pain (Facet Injection Study): a feasibility study for a randomised controlled trial. *Health Technol Assess* 2017; 21(30)
- Nowicka A, Ungureanu N, Balasubramanian S, Mendonca C. Tracheal Extubation of Patients With Cervical Spine Injury: A Case Report and Review of Literature *Anesthesia & Analgesia Case Reports* 2017; 8(2): 21-25
- Wall PD, Sprowson AP, Parsons N, Parsons H, Achten J, Balasubramanian S, Costa ML. Protocol for a single-centre randomised controlled trial of multimodal periarticular anaesthetic infiltration versus single-agent femoral nerve blockade as analgesia for total knee arthroplasty: Perioperative Analgesia for Knee Arthroplasty (PAKA). *BMJ Open*. 2015 Dec 21; 5(12)
- Sandhu H, Ellard DR, Achana F, Antrobus JH, Balasubramanian S et al. Facet-joint injections for people with persistent non-specific low back pain (FIS): study protocol for a randomised controlled feasibility trial. *Trials*. 2015 Dec 24; 16(1):588.

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Publications (Journal) - Continued:

- Balasubramanian S. Ultrasound-guided Lumbar Facet Nerve Block: Sonoanatomy and Technique. *Int J Periop Ultrasound Appl Technol* 2013; 2(3):131-134.
- Balasubramanian S, Spurgeon P. Integrated care for chronic pain management in National Health Service: barriers and possibilities for service development – a survey. *International Journal of Clinical Leadership* 2013; 17 (4) 201-10
- Gohil S, Balasubramanian S. Case report and literature review of chronic neuropathic pain associated with peripheral venous cannulation. *Anaesthesia* 2012; 67: 1395-7
- Wallace D, Emmett S, Kang K, Chalal G, Balasubramanian S et al. The safety of peri-articular local anaesthetic injection for patients undergoing total knee replacement with autologous blood transfusion: a randomised trial. *Journal of Bone and Joint Surgery* 2012; 94-B:1632–6
- Jarvi K, Bowditch J, Hasan N, Balasubramanian S. Chronic pain following caesarean section and vaginal delivery: a retrospective survey of 200 patients. *International Journal of Obstetrics Anaesthesia* 2011; 20(5): S46
- Perry J, Balasubramanian S, Imray C. Systemic capillary leak syndrome resulting in compartment syndrome and the requirement for a surgical airway. *Anaesthesia* 2009 64(6):679-682
- Dhir S, Balasubramanian S, Ross D. Ultrasound-guided peripheral regional blockade in patients with Charcot-Marie-Tooth disease: a review of three cases. *Can J Anesth* 2008; 55(8): 515-520
- Balasubramanian S, Hadi I. Perioperative acute pain management in patients with chronic pain: Review. *CPD Anaesthesia* 2006; 8(3): 109-113
- Balasubramanian S, Morley-Forster P. Chronic pelvic pain due to peripheral neuropathy: A Case Report. *J Obstet Gynaecol Can* 2006; 28(7): 603–607
- Balasubramanian S, Morley-Forster P. Persistent post-surgical breast pain: A Review. *CPD Anaesthesia*, 2006; 8(2): 62-67
- Balasubramanian S, Morley-Forster P, Bureau Y. Opioids and Brain Imaging: Review. *Journal of Opioid Management* 2006; 2(3): 147-154
- Balasubramanian SS, Bose D. Adrenal crisis presenting as acute abdomen. *Anaesthesia* 2006; 61(4): 413-414

Publications (Books and chapters)

- Co-authored the book ‘**Pharm-Assist** 2019-20 Warwick Medical School’. (University of Warwick 2019). As the Lead for Prescribing Safety, prepared this book to promote safe prescribing practice.
- Author of the chapter ‘Pain Management’ for **Care of Critically Ill Surgical Patient 4th Edition**, (Royal College of Surgeons 2017).
- Author of 6 chapters on ‘Ultrasound guided blocks’ for **Interventional Pain Management: A Practical Approach 2nd Edition** (ISBN-10: 9352501667; Editor, Baheti et al, Jaypee Brothers Medical Publishers 2016)
- Author of the chapter ‘The use of ultrasound in pain management’ for **Ultrasound in Anesthesia, Critical Care and Pain Management’ 2nd Edition** (ISBN-9781107618329; Editor, Arthurs & Nicholls, Cambridge University Press 2016)
- Author of the chapter ‘**Basic Principles and Monitoring**’ for ‘Oxford Specialist Handbook of Spinal Interventions in Pain Management’ (ISBN 9780199586912; Editor, Simpson et al, Oxford University Press, 2012).

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Publications (Books and Chapters) - Continued:

- Author of the book **Essence of Anaesthesia and Pain Management for Medical Students**. (Ibrahim Hadi, A Al-Quattan, Shyam Balasubramanian Sultan Publications, 2009)
- Author of the chapter '**Anaesthesia for the malnourished**' in the book 'Anaesthesia for the high risk patient' 2nd Edition (ISBN-10: 1841102261 Editor: Ian McConachie, Greenwich Medical Media Ltd 2008)
- Author of the book '**The Objective Structured Clinical Examination in Anaesthesia**' (ISBN-10: 1903378567 Mendonca C, Balasubramanian S, Tfm publishers Ltd 2007)
- Author of the book '**The Structured Oral Examination in Anaesthesia**' (ISBN-10: 0521680506 Balasubramanian S, Mendonca C, Pinnock C, Cambridge University Press 2006).

Publications (National guidelines)

- Author: Chapter '*Pain Management in Adults*'. UK Ambulance Services Clinical Practice Guidelines, Joint Royal Colleges Ambulance Liaison Committee, 2017
- Contributing author: Chapter 7.3 '*Interventional Techniques in Pain Management*'. Core Standards for Pain Management Services in the UK, Faculty of Pain Medicine, Nov 2015
- Working party: '*Standards of good practice for spinal interventional procedures in pain medicine*', British Pain Society & Faculty of Pain Medicine, April 2015
- Working party: '*Standards of good practice for medial branch block injections and radiofrequency denervation for low back pain*', British Pain Society & Faculty of Pain Medicine, March 2014

Medicolegal training: Have attended the following training events:

Medico-legal updates in pain medicine, Royal College of Anaesthetists, London, 05.06.2015
Essential Skills for Pain Management Experts, Excel Medico-legal training, Manchester, 27-28.06.2019 conducted by Dr Jon Valentine.

I have recently started to undertake medicolegal work in the West Midlands & Warwickshire areas by joining Pain Expert Limited.

**Dr Shyam Sundar Balasubramanian
Expert's Details updated November 2019**