

CURRICULUM VITAE



NAME Selvadurai Nayagam

DATE OF BIRTH 26th March 1960

Address: Department of Orthopaedic Surgery,
Royal Liverpool Children's Hospital NHS Foundation
Trust,
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CURRENT APPOINTMENT Consultant in Orthopaedic Surgery and Trauma
*Royal Liverpool Children's Hospital Foundation Trust and
Royal Liverpool and Broadgreen University Hospitals,
Liverpool.*

Clinical Lead of Limb Reconstruction Service,
*Royal Liverpool and Broadgreen University Hospitals,
Liverpool.*

Honorary Reader,
University of Liverpool.

SPECIALTY INTERESTS Limb reconstruction surgery for congenital and traumatic
conditions, bone infection, complex limb trauma.

TERTIARY EDUCATION /
POSTGRADUATE TRAINING

St. Andrews University, U.K.	1978-1981
Manchester University, U.K.	1981-1984
Harvard University, U.S.A.	1990-1991
Liverpool University, U.K.	1991-1995
Sheffield University, U.K.	1995-1996

ACADEMIC QUALIFICATIONS

B.Sc.(Medical Science)	1981
MB.,ChB.	1984
FRCS (Ed)	1989
MCh (Orth) Liverpool	1995
FRCSEd (Orth)	1995
CCST	1996

CURRENT RESPONSIBILITIES

Editor in Chief
Strategies in Trauma and Limb Reconstruction,
Springer, Milan.

President
The British Limb Reconstruction Society

Member of Guideline Development Group for Complex
Trauma (2013-2016)
NICE (National Institute of Clinical Excellence)

Reviewer
*Bone and Joint Journal (previously the Journal of Bone and
Joint Surgery)*

RESEARCH AND PUBLICATIONS

1. The Anomalous Origin of the Left Coronary Artery from the Pulmonary Trunk.
Nayagam S.
Paediatric Review 1984.
2. The Tarsal Tunnel Syndrome: an Anatomical Study and Pressure Analysis.
Nayagam S., Slowik GM, Klenerman L.
The Foot 1991: Vol. 1(2):93-96.
3. Non-Union After Open Fractures of the Distal Radius
J G Seiler, S Nayagam, R H Gelberman, J B Jupiter and M P Manning
The Southern Orthopaedic Journal 1992; Vol 2 (2):112-115
4. Contemporary application of the external fixator.
Nayagam S., Jupiter JB.
Chapter 3.
In Current Practice of Fracture Treatment: New Concepts and Common Problems.
Edited by P.C. Leung
Springer Verlag 1994.
5. Dislocation of the proximal tibio-fibular joint: the importance of fibular collateral ligament
tension.
Nayagam S., Kanagavel N.
International Journal of Orthopaedic Trauma 1994; 4(2): 77-79

6. Limb Cooling in Knee Replacement Surgery
Nayagam S., Sheppard G, Brook S, Jackson MJ, Klenerman L.
Masters in Orthopaedic Surgery.
University of Liverpool. 1996
7. Fracture non-union: Management by distraction with simultaneous correction of malalignment.
Saleh M., Nayagam S.
Video Journal of Orthopaedics. 1996
8. Apley's System of Orthopaedics and Fractures (8th edition).
Louis Solomon, David Warwick and Selvadurai Nayagam.
Arnold publishers 2001.
9. A biomechanical analysis of hybrid external fixator.
Yang, L., and Nayagam, S.
J Bone joint Surg. 79B suppl:361-362, 1997.
10. Can a hybrid fixator perform as well as the Ilizarov fixator?
Saleh, M., Yang, L., and Nayagam, S.
J Bone joint Surg. 79B suppl:462., 1997.
11. External fixation of complex tibial fractures: the design rationale and biomechanical testing of a new hybrid external fixator.
Saleh, M., Yang, L., and Nayagam, S.
Injury. 29:155, 1998.
12. Biomechanical testing of the Sheffield hybrid fixator.
Saleh, M., Yang, L., and Nayagam, S.
J Bone joint Surg. 81-B suppl:279., 1999
13. The effects of different wire and screw combinations on the stiffness of a hybrid external fixator.
Yang, L., Saleh, M., and Nayagam, S.
Proceedings of the Institution of Mechanical Engineers. 214 Part H: 669-676, 2000.
14. Stiffness characteristics and interfragmentary displacements with different hybrid fixators.
Yang, L., Nayagam, S. and Saleh, M.
Clinical Biomechanics 18: 166-172; 2003
15. Reduced perception of pain in schizophrenia: its relevance to the clinical diagnosis of compartment syndrome.
Murthy BV, Narayan B, Nayagam S.
Injury. 2004 Nov;35(11):1192-3.
16. The care of pin sites with external fixation.
Davies R, Holt N, Nayagam S.
J Bone Joint Surg Br 2005;87-B(5):716-719.
17. Concise System of Orthopaedics and Fractures (3th edition).
Louis Solomon, David Warwick and Selvadurai Nayagam.
Arnold publishers 2005.

18. Treatment of idiopathic club foot using the Ponseti method. Initial experience.
Changulani M, Garg NK, Rajagopal TS, Bass A, Nayagam S, Sampath J, Bruce CE.
J Bone Joint Surg Br. 2006 Oct;88(10):1385-7.
19. Treatment of external fixation pins about the wrist.
Nayagam S, Davies R, Holt N.
J Bone Joint Surg Am. 2006 Nov;88(11):2534-5; author reply 2535.
20. Distraction osteogenesis and non union of the docking site: Is there an ideal treatment option?
Giotakis N., Narayan B., Nayagam S.
Injury. 2007 Mar; 38 Suppl 1:S100-7.
21. Innovative Treatment of a Difficult Femoral Fracture in a Transtibial Amputee
Perry DC, Martin S, Nayagam S, Narayan B
JPO Journal of Prosthetics & Orthotics. 19(4):117-119, October 2007.
22. Safe corridors in external fixation: the lower leg (tibia, fibula, hindfoot and forefoot).
Nayagam S
Strategies Trauma Limb Reconstr. 2007 Dec;2(2-3):105-10. Epub 2007 Dec 4.
23. The pelvic support osteotomy: indications and preoperative planning.
Pafilas D, Nayagam S.
Strategies Trauma Limb Reconstr. 2008 Sep;3(2):83-92. Epub 2008 Aug 30.
24. Lengthening of the First Metatarsal through an Arthrodesis Site for Treatment of Brachymetatarsia
Gilbody, J. and S. Nayagam
The Journal of foot and ankle surgery 2008; 47(6): 559-564
25. Paediatric Orthopaedics – a system for decision-making.
Joseph B, Nayagam S, Loder R, Torode I.
Hodder, London. 2009
26. Standards for the management of open lower limb fractures.
Nanchahal J, Khan U, Pallister I, Moran C, Nayagam S.
British Orthopaedic Association and British Association of Plastic, Reconstructive and Aesthetic Surgery. RSM Press, London 2009.
27. Correcting genu varum and genu valgum in children by guided growth: Temporary hemiepiphysiodesis using tension band plates.
Ballal, M. S., C. E. Bruce, Nayagam, S.
J Bone Joint Surg Br 2010; 92-B(2): 273-276.
28. Soft tissue distraction in the management of severe preaxial polydactyly of feet.
Mishra A, Nelson K, Nayagam S, McArthur P.
J Plast Reconstr Aesthet Surg. 2010 Aug;63(8):e659-61. Epub 2010 Feb 25.
29. Segmental fracture of the femur with concomitant genu valgum: a one-stage solution.
Ballal MS, Verma R, Nayagam S.
J Pediatr Orthop B. 2010 Sep;19(5):431-5.

30. The novel use of a 'Telescopic Rod' in a young girl with congenital radial aplasia.
Langley D, Mishra A, Nayagam S, McArthur P.
J Plast Reconstr Aesthet Surg. 2010 Apr 8.
31. Segmental fractures of the tibia treated by circular external fixation.
Giotakis N, Panchani SK, Narayan B, Larkin JJ, Al Maskari S, Nayagam S.
J Bone Joint Surg Br. 2010 May;92(5):687-92.
32. Preexpanded muscle-sparing latissimus dorsi free flap in complex lower limb trauma: the orthoplastic approach.
Hamnett, N. T., A. Mishra, Nayagam, S., et al.
Plast Reconstr Surg 2010; **126**(4): 211e-213e.
33. Femoral lengthening with a rail external fixator: tips and tricks.
Nayagam, S.
Strategies Trauma Limb Reconstr 2010; **5**(3): 137-44.
34. Reconstructive surgery in limbs: the case for the orthoplastic approach.
Nayagam, S., K. Graham, et al.
Ann Plast Surg 2011; **66**(1): 6-8.
35. Medial submuscular plating of the femur in a series of paediatric patients: a useful alternative to standard lateral techniques.
Nayagam S, Davis B, Thevendran G, Roche AJ.
Bone Joint J. 2014 Jan;96-B(1):137-42
36. Management of high-energy tibial pilon fractures.
Jacob N, Amin A, Giotakis N, Narayan B, Nayagam S, Trompeter AJ.
Strategies Trauma Limb Reconstr. 2015 Nov;10(3):137-47
37. A full time regional ortho-plastic unit; initial results.
Sargazi N, El-Gawad A, Narayan B, Bell D, Shanks L, Nayagam S, Graham K.
J Plast Reconstr Aesthet Surg. 2016 Apr
38. Paediatric Orthopaedics – A system of decision-making.
Joseph B, Nayagam S, Loder R, Torode I
2nd Edition 2016, CRC Press, New York, Oxford.
39. NICE Guidelines for the management of complex fractures
Guideline development group member and contributor,
National Institute of Clinical Excellence, Royal College of Physicians, UK. 2016
40. Negligence claims following non-union and malunion of long bone fractures: An analysis of 15 years of data.
Metcalf CW, Harrison WD, Nayagam S, Narayan B.
Injury. 2016 Oct;47(10):2312-2314.

LEARNED SOCIETIES

Member (President) of Executive Committee of the British Limb Reconstruction Society

Member of Liverpool Medical Institution

Fellow of the Royal College of Surgeons Edinburgh

Fellow of the British Orthopaedic Association

SHORT BIOGRAPHY

Durai Nayagam graduated from St. Andrews University in Scotland and Manchester University in England. His Orthopaedic training was in Liverpool and included tenures in Sheffield University, UK and Harvard University, USA. He has been practising limb reconstruction for over 20 years having first trained in this field in Sheffield (UK), Verona (Italy) and Kurgan(Russia). His clinical practice deals with all aspects of limb reconstruction including congenital conditions and post-traumatic and infective problems. He has an interest in open fractures of the tibia and non-unions of long bones.

He is the President of the British Limb Reconstruction Society and teaches widely on limb reconstruction techniques. He was appointed as an expert advisor for the National Institute for Clinical Excellence (NICE) UK on the subject of complex and open fractures. He is an adopter and proponent of the principle of shared care of patients who undergo trauma or limb reconstruction surgery, in particular with other Allied Healthcare Professionals in a team. He has contributed to textbooks in Orthopaedic surgery (Apley's System of Orthopaedics and Fractures and Paediatric Orthopaedics – A system for decision-making) and published in several journals. He reviews for the Bone and Joint Journal (British) and is the Editor in Chief of the journal Strategies in Trauma and Limb Reconstruction.