

**Mr. Karthik Karuppaiah, M.B.B.S., M.S (Orth), MRCSEd,
MSc-Evidence Based Orthopaedics(UK), MCh Orth(UK), FRCS (Tr & Orth),**

Consultant Orthopaedic surgeon,
(Special interest in Shoulder, Elbow, Hand and Wrist surgery)
Department Trauma and Orthopaedics,

NHS

King's College Hospital,
Denmark Hill,
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Post Code – SE5 9RS.

Private

London Bridge Hospital
The Shard
St Thomas' Street
London SE1 9BS

BMI The Blackheath Hospital
40-42 Lee Terrace
Blackheath
London SE3 9UD

BMI Chelsfield Park Hospital
Bucks Cross Road
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Kent BR6 7RG

HCA Seven Oaks Medical Centre
Beadle House
London Rd
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Guthrie Clinic (Private Patients Wing)
King's College Hospital, Denmark Hill,
London SE5 9RS

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125 Albemarle Road
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CONTENTS

Content	Page No.
Personal Profile	3
Registrations	4
Membership in Professional Bodies	5
Qualifications	6
Employment history	7
Awards and Grants	12
Research experience	14
Dissertation	16
Publications	17
Presentations	23
Continuing Professional Development	31
Conferences and Meetings Attended	35
Clinical Governance And Audit	38
Teaching and training experience	40
Management and leadership	44
Additional activities	46
Referees	47

Personal Profile:

Name : Karthik Karuppaiah.

Registrations:

1. GMC – 7034429 (March 2009),
Entry into Specialty Register – March 2015.
2. Medical Council of India (Tamil Nadu), India – Reg. no 72656 (30/05/2003)
Entry into Specialty Register (Post MS Orth)– 13/06/2007)

Membership of Professional Bodies:

1. British Indian Orthopaedic Society,
2. British Shoulder and Elbow Society
3. British Society of Surgeons of Hand - Applied
4. West Kent Medico Chirurgical Society
5. Indian Orthopaedic Association, India
6. Tamil Nadu Orthopaedic Association, India

Qualifications:

Period	Qualification	Institution/ University
2012	FRCS (Trauma & Orthopaedics)	Intercollegiate Speciality Board in Trauma and Orthopaedic Surgery, Edinburgh, UK
2012	MCh (Orthopaedics)	Teeside University, Middlesbrough, UK
2011	MSc (Evidence Based Medicine in Orthopaedics)	Teeside University, Middlesbrough, UK
2009	MRCS (Intercollegiate)	Surgical Royal Colleges of Great Britain and Ireland
2007	M.S.(Orthopaedics)	The Tamil Nadu Dr.M.G.R Medical University, Chennai, India
2002	M.B.,B.S.	The Tamil Nadu Dr.M.G.R Medical University, Chennai, India

Employment history:

A. Consultant Orthopaedic Surgeon: (From Apr 2014 onwards, King’s College Hospital NHS Foundation Trust, London.

- 1 in 8 Trauma on-call at Major Trauma Centre
- 10PA’s – 8.5PA’s direct clinical care and 1.5 SPA’s for teaching and research.
- Mentor – Joydeep Sinha

B. Fellowship in Upper limb surgery: Oct 2012 – March 2014, King’s College Hospital, London.

Educational supervisor - Mr. Jonathan Compson

Hand, wrist and elbow	Mr. Anand Arya, Mr. Jonathan Compson	10/2013 –03/2014
Shoulder and elbow	Mr. Adel Tavakkolizadeh, Mr. Joydeep Sinha	04/ 2013-09/2013
Hand, wrist and elbow	Mr. Anand Arya, Mr. Jonathan Compson	10/2012 –03/2013

- This is a post FRCS (Tr&O) fellowship in upper limb surgery with six months on hand, wrist and elbow and six months on shoulder and elbow.
- The job involves 1 in 8 on-call commitments (Major trauma centre), which involves management of simple and complex trauma (STUS).
- The upper limb firm has 7 consultants and caters as a tertiary referral centre for south London hospitals. Job has regular unsupervised operating lists.
- Upper limb research co-ordinator.
- Teaching medical students/junior doctors, training core trainees, SPR and trust doctors.

C. Speciality Registrar: Oct 2010 – Sep 2012,

Department of Trauma and Orthopaedics,
Queen Elizabeth Hospital (Woolwich) and Queen Mary's Hospital (Sidcup),
South London Healthcare NHS Trust, London.

Educational supervisor - Mr. Farid Khan

Hips/knee (including revision)	Mr. Farid Khan	10/2010-03/2011
Shoulder and elbow	Mr. Tony Kochhar,	04/2011-09/2011
Foot and ankle (Hips/knee)	Mr. Amitava Dutta	10/2011-03/2012
Shoulder (Hips/knee) Foot and ankle (Hips/knee)	Mr. William A Scott, Mr. Sheo Tibrewal,	04/2012-09/2012

- The job involves rotation in different firms along with the orthopaedic trainees and had good training opportunities.
- The job involved 1 in 10 on-call commitments.
- Teaching medical students/junior doctors, training core trainees, SPR and trust doctors.
- Audit and research commitments

**C. Clinical Fellow in Orthopaedics: Mar 2009 – Oct 2010
(College and Deanery approved training post)**

Department of Orthopaedics surgery,
James Cook University Hospital, Middlesbrough.

Educational supervisor - Professor John stothard

Soft tissue knee/joints Soft tissue knee/joints	Mr. Ali Bajwa, Mr. Van Niekerk	08/2010-10/2010
Paediatrics/limb reconstruction Hips and knees	Mr. R Montgomery, Prof P. Gregg	03/2010-07/2010
Hand and wrist Hand and wrist Hand and wrist/shoulder	Prof John stothard, Mr. S Miranda, Col. M. Stewart,	08/2009-02/2010
Soft tissue knee/joints Joints	Mr. A. Hui, Mr. Wallace	03/2009-07/2009

Shoulder and elbow	Prof A Rangan	
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- This post was sponsored by Royal College of Surgeons of Edinburgh and had the approval of local postgraduate deanery for training.
- The job involved 1 in 10 on-call commitments, which involves supervised management of simple and complex trauma (STS).
- Teaching medical students.
- Audit and research commitments.

D. Senior Registrar in Orthopaedic Surgery: Mar 2008 - Feb 2009,

Department of Orthopaedics & Spine surgery,
Ganga Hospital, Coimbatore, India.

Educational supervisor – Professor S. Rajasekaran

Spine Paediatrics, Trauma and joints	Prof. S Rajasekaran Dr. Ajoy Prasad Shetty Dr. Dheenadayalan	03/2008-02/2009
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- Ganga Hospital is one of the premier centers of India for Trauma, Orthopaedics, Spine, Plastic and Microvascular surgery. It has 430 beds, 17 operating theatres. It is the one of the four centers in India recognized for superspeciality training in Spine surgery. The hospital is a member of International Society of Orthopaedic Centers, UK (similar to Royal National Orthopaedic Hospital, Stanmore). British trainees also visit this hospital regularly.
- During my training here I worked mainly in paediatrics and spine surgery. I have performed under supervision most of the common paediatric conditions (CTEV, DDH, SUFE, Cerebral palsy and common paediatric trauma) and spinal conditions (Discectomy, spinal exposures, pedicle screw insertions, trauma and injections). I had the opportunity to assist all the complex surgeries.
- Teaching national board trainees.
- Audit and research commitments.

E. Assistant professor in Orthopaedic surgery. June 2007-Feb 2008.

Department of Orthopaedics,
Sri Ramachandra Medical College and Research Institute, Chennai, India.

Educational supervisor – Professor A Chandrasekar

Trauma, paediatrics and limb reconstruction	Prof A Chandrasekar	06/2007-02/2008
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- Sri Ramachandra Medical College and Research Institute is a Harvard university affiliated university hospital and a level 1 Trauma center with 1500 beds.
- In this job, I did supervised management of all types of trauma (including polytrauma) and common paediatric and limb reconstruction conditions.
- I had 1:7 on-call commitments.
- I had dedicated teaching sessions every week to teach undergraduates, postgraduate medical students and the paramedics.

F. Postgraduate trainee in Trauma & Orthopaedics: Mar 2004 - Mar 2007.

Department of Orthopaedics,
Madras Medical College and Government General Hospital, Chennai, India.

Educational supervisor – Professor Nalli R Uvaraj

Training 1. Orthopaedic specialties 2. Accident & Emergency 3. Orthopaedic allied specialties (General surgery, Plastic, Vascular)	Prof. MayilVahanan Natarajan, Prof. R Dhanapal Prof. K Anbalagan Prof. Nalli R Uvaraj	03/2004-03/2007
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- I did my post-graduate training in trauma & Orthopaedics in one of the premier institutes of India (with 5000 beds), which serves as a regional referral centre for a population of 60 million and is a level 1 trauma center.
- It's a structured training under the curriculum provided by 'The Tamil Nadu Dr. MGR Medical University' and is recognized by 'The medical council of India' to enter into specialist register.

- The Trauma & Orthopaedic department had ring fenced 340 in-patient beds, nine operating theatres and a separate intensive trauma care unit.
- The training job involves rotation in various orthopaedic subspecialties (including Spine surgery, Paediatrics and Prosthetics & Orthotics). I also did my basic surgical training (including vascular and plastic surgery) in this job. My training in the first and second year was equivalent to the senior house officer and the third year was of the registrar level.
- I had 1:4 on-call commitments and gained valuable experience of managing different types of trauma including some not seen in this country.
- During this period, I published four papers, won two awards, attended eight national conferences and presented nine podium presentations.

Awards and Grants:

Academic Distinctions and Prizes:

1. The publication in journal of hand surgery “**Karthik K**, Nanda R, Stothard J. Severe ulnar nerve entrapment at the elbow - Functional outcome after minimally invasive in- situ decompression. **Journal of Hand Surgery (European)**. February 2012 37: 115-122.” (Dissertation for my MSc-Evidence Based Orthopaedics)

Was selected as one among the top ten downloaded articles, published in Journal of Hand Surgery (European) in 2012. The paper was discussed in XVIIIth FESSH Congress (Federation of the European Societies for Surgery of the Hand) - On Thursday, May 30, in the Kirlangic 2 Hall,, Antalya Turkey, 29th of May - 1st of June 2013.

Was selected by the editor of ‘Journal of Hand Surgery’ as one of the two best publications in that volume (Giddins G.The courage to challenge new ideas. J Hand Surg Eur Vol. 2012 Feb;37(2):99).

2. ‘**Best Poster award**’ - New frontiers in foot and ankle surgery Royal Society of Medicine in association with South-East Thames Orthopaedic Training Circuit Meeting (11/7/12, Queen Elizabeth Hospital, London, United Kingdom).
3. ‘**Research Prize**’ – South London Healthcare NHS trust (21st May 2012). Queen Elizabeth Hospital, London, United Kingdom.
4. Highest mark in trauma and orthopaedics module (June 2009) of MSc (Evidence based Orthopaedics) in Teeside University, United Kingdom.
5. Tamilnadu Orthopaedic Association ‘**Best Publication Gold Medal Award 2009**’ (Karthik K, Ajoy Prasad shetty, Dheenadhayalan J, Rajasekaran S, Navigated Iso-C3D-based percutaneous resection of

osteoid osteoma – in spine and extremities. *Journal of Tamil Nadu Orthopaedic Association* Vol 35; pg 33-41 February 2009).

6. **'ASSI Depuy Spine Research Award 2009'**, Assessment of fiber tract integrity by Diffusion Tensor Imaging -Analysis of normal spinal cord, acute and chronic spinal cord injuries. Prof S. Rajasekaran, Dr. Rishi Khanna, Mr. Karthik Karuppaiah, Dr. Karunanidhi, Dr. Ajoy Prasad shetty. Association of Spine Surgeons of India Conference (ASSICON) 2009, Chennai India.
7. **'Quiz winner'** Madras Orthopaedic Society, January 2007 – Madras Medical College and Government General Hospital, India.
8. **'Best paper award'** for Management of Gap Nonunion Both bone Leg - Paper presentation, Madras Orthopaedic Society November 2004 – Stanley Medical College, India.
9. **'National Merit Scholarship'** in School at 10th standard.

Research experience:

In King's College Hospital:

1. Functional and radiological outcome following coraco-clavicular stabilisation (acu-sinch) in lateral end clavicle fractures and ACJ disruptions. Podium presentation in EFORT 2018.
2. Superior shoulder suspensory complex injuries of the shoulder
3. Relative metacarpal Length. Data collection and analysis complete, writing up the paper for JHSE. Presented in BSSH 2014.
4. Longterm outcome following surgical management of ganglion. Data collection and analysis in progress. P
5. Outcomes Following Operative Treatment of Metacarpal Fractures and 4th and 5th MC base fracture dislocations. Data collection and analysis in progress. Submitted for EFORT 2016.
6. Analysis of long term functional and radiological outcome following distal radial osteotomy in patients with malunited distal radius fractures. Mr. Karthik Karuppaiah, Mr Jonathan Compson. Research work published in Journal of Hand Surgery (European).
7. Analysis of the role of robots in orthopedic surgery. Mr. Karthik Karuppaiah, Mr. Joydeep Sinha. Co-ordinating with Prof. Procar Dasgupta in Guy's Hospital (pioneer in the use of robots - urology) to introduce the robots for upper limb surgery. I have published a systematic review on 'Robotics in Orthopaedics' in BJJ.
8. Long Term Outcome Of Three & Four Part Proximal Humeral Fractures Treated With Philos Plate. Mr. Karthik Karuppaiah, M. Khan, J. Sinha, A. Arya. Data collection and analysis completed. Presented in BESS 2013 and IOSUK 2013 meeting, accepted for podium presentation in ICSES 2016. In the process of submitting the article to BJJ.

9. Evaluation of the role of Diffusion Tensor Imaging in tracing peripheral nerves. Mr. Karthik Karuppaiah, Dr. David Elias, Mr. Mark Phillips, Mr. Adel Tavakkolizadeh, Mr. Joydeep Sinha, Mr. Jonathan Compson. Have started the pilot project in the Clinical Research facility, King's College Hospital using 3T research magnet and technical expertise from Mr. Fernando Zelayo and Flavio Dell' Acqua.

In James Cook University Hospital, Middlesbrough:

1. Recurrent carpal tunnel syndrome – Analysis of the causes and outcome after vascularised hypothenar fat pad flap surgery. Mr. Karthik Karuppaiah, Mr. Rajesh Nanda, Professor John Stothard. Presented in national and international conferences. Published in Journal of Hand And Microsurgery.
2. A safe and cost-effective method for treatment of angulated fifth metacarpal shaft fractures in the out-patient clinic. Mr. Karthik Karuppaiah, Mr. Sunit Patil, Mr S Miranda. Presented in national and international conferences. Published in European Orthopaedics and Traumatology (Official EFORT journal).
3. Intramedullary strut allograft with locking plate in the management of complex proximal humeral fractures. Mr. Karthik Karuppaiah, Prof. Amar Rangan. The results of which were presented in national and international conferences. The study is published in Shoulder and Elbow (Official journal of British Elbow and Shoulder Society).

In Ganga Hospital (2008 - 2009)

1. Co investigator in 'Application of diffusion tensor imaging for quantifying severity of spinal cord compression in cervical myelopathy and nerve fibre integrity in cervical spinal cord injuries'- Prof S. Rajasekaran, Dr. Rishi Khanna, Mr. Karthik Karuppaiah, Dr. Karunanidhi, Dr. Ajoy Prasad shetty. Ganga Hospital, Coimbatore. Presented in national and international conferences. Published in InSpine (AOSpine International)
2. Co investigator in Molecular and Genetic Profile of Lumbar Disc related Degenerative Diseases in Human Beings – Prof S. Rajasekaran, Mr. Karthik Karuppaiah, Dr. Rishi Khanna, Dr. Ajoy Prasad shetty. Ganga Hospital, Coimbatore.

3. 'Application of *Classification And Regression Tree (CART) analysis* in improving decisions of salvage and sequencing of treatments in challenging limb trauma – an analysis of the utility of various open injury scores' - Mr. Karthik Karuppaiah, Prof S. Rajasekaran, Ganga Hospital, Coimbatore. Presented in national conference.

In Madras Medical College, (2004 - 2007),

1. Role Of Anterior Decompression And Instrumentation In Tumours of Spine. Mr. Karthik Karuppaiah, Nalli. R. Uvaraj, R. Selvaraj Prof. Mayilvahanan Natarajan. Presented in National conference. Published in Journal of Orthopaedic Association of South Indian States.
2. Management of Idiopathic Club Foot by Ponseti Technique. Mr. Karthik Karuppaiah, Prof V Thulasiraman. Presented in National conference.

Research Grant:

1. Research grant from Department of Biotechnology, India (INR 26 Lakhs - £30,000)

Co investigator in 'Application of diffusion tensor imaging for quantifying severity of spinal cord compression in cervical myelopathy and nerve fibre integrity in cervical spinal cord injuries'- Ganga Hospital, Coimbatore.

Dissertations:

1. ***Synthetic/biologic Scaffolds in the management of injuries to Rotator cuff, Anterior cruciate ligament and Tendo Achilles – a systematic review*** submitted as a part of 'MCh (Orthopaedics)' degree to Teesside university, Middlesbrough, UK in August 2012.
2. ***'Analysis of Functional Outcome After Mini Open In-Situ Decompression of Ulnar Nerve at the Cubital Tunnel'*** submitted as a part of 'Master of Science - Evidence Based Medicine (Orthopaedics)' degree to Teesside university, Middlesbrough, UK in April 2011.

3. **'A Study on Cemented Hemiarthroplasty For Unstable Intertrochanteric Fractures In Elderly Osteoporotic Patients'** submitted as a part of 'Master of Surgery' in Orthopaedics degree to 'The Tamil Nadu Dr. M.G.R Medical University', Chennai, India in December 2006.

Publications:

A. Indexed:

1. **Karthik K**, Sinha J. Robotics in trauma and orthopaedics - Recent advances and review of literature. *Ann R Coll Surg Engl*. 2018 May;100(6_sup):8-15. doi: 10.1308/rcsann.suppl.8.
2. Colegate-Stone, T.J., Aggarwal, S., **Karuppaiah, K.** et al. The staged management of gleno-humeral joint osteonecrosis in patients with haematological-induced disease—a cohort review. *International Orthopaedics (SICOT)* (2018). <https://doi.org/10.1007/s00264-018-3957-0>
3. Bovis J, Bano C, Edwin J, Tyraskis A, Baskaran D, **Karthik K.** Barriers to staff reporting adverse incidents in NHS hospitals. *Future Hosp J* June 1, 2018 vol. 5 no. 2 117-120 doi: 10.7861/futurehosp.5-2-117
4. **Karthik K**, Colegate-Stone T, Dasgupta P, Tavakkolizadeh A, Sinha J. Robotic surgery in trauma and orthopaedics: a systematic review. *Bone Joint J (formerly JBJSBr)*. 2015 Mar;97-B(3):292-9.
5. **Karthik K**, Tahmassebi R, Khakha RS, Compson J. Corrective osteotomy for malunited metacarpal fractures: Long-term results of a novel technique. *Journal of Hand Surgery (European)* 2015 Oct;40(8):840-5.
6. Sri D, **Karthik K**, Compson J, Tavakkolizadeh A. Intercompartmental giant lipoma of the arm: a case report. *Orthop Surg*. 2015 Feb;7(1):74-6.
7. Sri D, **Karthik K**, Compson JC. A Vertical Shear Proximal Scaphoid Fracture - an Unusual Pattern of Injury. *J Hand Microsurg*. 2015 Jun;7(1):202-4.
8. **Karthik K**, Tahmassebi R, Tavakkolizadeh A, Compson J. Management

- of heterotopic ossification and restricted forearm rotation after tension band wiring for olecranon fracture. **Strategies Trauma Limb Reconstr.** 2014 Aug;9(2):121-5.
9. **Karthik K**, Lau J, Sinha J, Tavakkolizadeh A. Scapular spine stress fractures: To fix or not to fix, our experience in a patient with bilateral fractures and review of the literature. **Int J Shoulder Surg.** 2014 Jul;8(3):90-3.
 10. Martin Siebachmeyer, Akshay Garg, **Karthik Karuppaiah**, David Elias, Adel Tavakkolizadeh. Intra-tendinous supraspinatus cyst as a cause of shoulder impingement. **Shoulder & Elbow** July 2015 vol. 7 no. 3 179-181.
 11. **Karthik K**, Miranda S. A safe and cost-effective method for treatment of angulated fifth metacarpal shaft fractures in the out-patient clinic. Published online in **European Orthopaedics and Traumatology** on 17th May 2013 (Official EFORT journal); March 2014, Volume 5, Issue 1, pp 31-35.
 12. **Karthik K**, Ajoy Prasad shetty, Rajasekaran S. Intraoperative life threatening acute lung injury due to multiple septic pulmonary emboli during transpedicular biopsy and Kyphoplasty. **Asian Spine Journal**, 2014 Apr;8(2):197-201.
 13. **Karthik K**, Carter-Esdale CW, Vijayanathan S, Kochhar T. Extensor Pollicis Brevis tendon damage presenting as de Quervain's disease following kettlebell training. **BMC Sports Science, Medicine and Rehabilitation** 2013, 5:13 doi:10.1186/2052-1847-5-13. [Epub ahead of print] PMID: 23731737.
 14. **Karthik K**, Compson J. Solitary enchondroma presenting with an intra-articular comminuted fracture treated with ligamentaxis and percutaneous curettage. **Journal of Hand Surgery (European)**. 2013 Feb 6. [Epub ahead of print] PMID: 23390149
 15. **Karthik K**, Mayilvahanan Natarajan, Unstable Trochanteric Fractures in Elderly Osteoporotic Patients: Role of Primary Hemiarthroplasty. **Orthopaedic Surgery** 2012;4:89–93. PMID: 22615153.
 16. SK Khan, **Karthik Karuppaiah**, AS Bajwa. The influence of process and patient factors on the recall of consent information in mentally competent patients undergoing surgery for neck of femur fractures. **Annals of Royal College of Surgeons of England** 2012,94:308-312.

17. **Karthik K**, Nanda R, Stothard J. Recurrent Carpal Tunnel Syndrome— Analysis of the Impact of Patient Personality in Altering Functional Outcome Following a Vascularised Hypothenar Fat Pad Flap Surgery. ***Journal of Hand and Microsurgery***. (January–June 2012) 4(1):1–6. PMID: 23730080.
18. **Karthik K**, Nanda R, Stothard J. Severe ulnar nerve entrapment at the elbow - Functional outcome after minimally invasive in- situ decompression. ***Journal of Hand Surgery (European)***. February 2012 37: 115-122.
19. **Karthik K**, Aarthi S, Gordon-Dixon A. Schwannoma of the infra-patellar branch of saphenous nerve presenting with Antero-medial knee pain and tibial metaphyseal bone defect. ***Journal of Knee Surgery***. 26(S 01): S030-S033; PMID: 23288730
20. **Karthik K**, Kamath V, Rangan A. Restoration of medial hinge in acute complex proximal humeral fractures using intra-medullary strut allograft. ***Shoulder and Elbow*** (Official journal of British Elbow and Shoulder Society); 2011; 3, pp 95–99.
21. **Karthik K** Aarthi S. Expansile lytic lesion of the calcaneum mimicking plantar fasciitis, ***Journal of Foot and Ankle Surgery***. 2011 Jun; 17(2):e25-7. Epub 2010 Dec 9.
22. **Karthik K**, Ajoy Prasad shetty, Rajasekaran S. Spontaneous cord transection due to Invasive aspergillus spondylitis in an immunocompetent child. Published online in ***European Spine Journal***, 2011 Jul;20 Suppl 2:S188-92. Epub 2010 Jul 2.
23. **Karthik K**, S.R. Sundararajan, J. Dheenadhayalan, S. Rajasekaran, Incongruent reduction following post traumatic hip dislocations as an

indicator of intra articular loose bodies - A prospective study of 117 dislocations. **Indian Journal of orthopaedics**. Jan 2011, Vol 45; 1; 33-38.

24. Rajasekaran S, **Karthik K**, Ravi Chandra V, Rajkumar N, Dheenadhayalan J, Role of intraoperative navigation in percutaneous excision of Osteoid Osteoma of long bones in children. **Journal of Pediatric Orthopaedics B**: March 2010 - Volume 19 - Issue 2 - pp 195-200.

B. Peer reviewed publications not Indexed in PubMed:

1. Nellaiyappan B, **Karthik K**. Role of Scaffolds in the Reconstruction of Anterior Cruciate Ligament of Knee-Systematic Review. **International Journal of Orthopaedics** 2016; 3(3): 564-570.
2. **Karthik K**, Ajoy Prasad shetty, Dheenadhayalan J, Rajasekaran S. Navigated Iso-C3D-based percutaneous resection of osteoid osteoma – in spine and extremities. **Journal of Tamil Nadu Orthopaedic Association** Vol 35; pg 33-41 February 2009.
3. Rajasekaran. S, Kanna. RM, **Karthik K**, Karunanidhi, Ajoy Prasad shetty. Assessment of spinal cord integrity by diffusion tensor imaging –Analysis of normal spinal cord, Acute and chronic spinal cord injuries. **InSpine** 1-09, volume 5, pg 34-35.
4. Prof. Mayilvahanan Natarajan, Prof K. Anbalagan, Prof R.H. Govardhan, Prof. V. Thulasi Raman, **Karthik.K**, Nalli. R. Uvaraj, R. Selvaraj; A Study on Cemented Hemiarthroplasty for Unstable Intertrochanteric Fractures in Elderly Osteoporotic Patients – **Journal of Tamil Nadu Orthopaedic Association** Vol 33; pg 57-61; February 2007.
5. Prof. V. Thulasi Raman, R. Subbiah, R. Palraj, **K. Karthik**; An Interesting Lesion of Calcaneum – **Journal of Tamil Nadu Orthopaedic Association** Vol 33; pg 166-167; February 2007.
6. Prof. Mayilvahanan Natarajan, **K. Karthik**, Nalli. R. Uvaraj, R. Selvaraj, R. Prabakar; A Study of Anterior Decompression and Stabilization in Tumours of Spine – **Journal of Orthopaedic Association of South Indian States (JOASIS)**; pg 95-97, VOL 3; August 2006.

7. Prof. V. Thulasi Raman, **K. Karthik**, S.Karunakaran; Schwannoma of Proximal Tibia A Case Report - **Journal of Orthopaedic Association of South Indian States (JOASIS)**; pg 93-94; VOL 3; August 2006.

C. Abstract published:

1. J. Edwin, A. Sinha, S. Sait, D. Baskaran, **K. Karuppaiah**. Metacarpal fragility fractures: Cross-sectional study on epidemiology and predictive value of further fragility fractures. **The Journal of Hand Surgery (Eur) 41(Supplement 1) S76. (FESSH)**
2. AP Arya, **K Karuppaiah**, M Khan & J Sinha. Three & Four Part Proximal Humeral Fractures Treated With Philos Plate: 6-10 Years Results. **Shoulder & Elbow**, 5: 276–294. doi: 10.1111/sae.12036.
3. **Karthik Karuppaiah**. Synthetic/biologic scaffolds in the management of injuries to Rotator cuff, Anterior Cruciate Ligament and Tendo Achilles – a systematic review. **South Thames Orthopaedic Proceedings**, Issue 10/November 2012, ISSN1473-946X.
4. **Karthik Karuppaiah**, Jonathan Compson. Management of solitary enchondroma presenting with intra-articular comminuted fracture. **South Thames Orthopaedic Proceedings**, Issue 10/November 2012, ISSN1473-946X.
5. **Karthik Karuppaiah**, Rajesh Nanda, and John Stothard. Analysis of the causes and outcome after vascularised hypothenar fat pad flap surgery in patients with recurrent carpal tunnel syndrome. **J Bone Joint Surg Br** 2012 94-B:(SUPP XXXVII) 390.
6. **Karthik Karuppaiah** and Sanjay Miranda. Management of angulated fifth metacarpal shaft fractures in the out-patient clinic – a safe and cost-effective method. **J Bone Joint Surg Br** 2012 94-B:(SUPP XXXVII) 391.
7. **Karthik Karuppaiah**, Rajesh Nanda, John Stothard, and Sivaraman Balasubramaniam. In severe ulnar nerve entrapment at the elbow does minimally invasive surgery has a role – results of a novel technique. **J Bone Joint Surg Br** 2012 94-B:(SUPP XXXVII) 535.
8. **K. Karthik**, A. P. Shetty, J. Dheenadhayalan, and S. Rajasekaran. Utilisation of three dimensional c-arm based navigation in percutaneous excision of osteoid osteoma in spine and extremities. **J Bone Joint Surg**

Br 2011 93-B:(SUPP III) 387-388.

9. **Karthik Karuppaiah**, Sr Sundararajan, J. Dheenadhayalan, and S. Rajasekaran. Non-concentric reduction following simple hip dislocations as an indicator of intra articular loose bodies – a prospective study of 117 dislocations. **J Bone Joint Surg Br** 2011 93-B:(SUPP II) 136.
10. **Karthik Karuppaiah**, Ajoy Shetty, and S. Rajasekaran. Application of three dimensional c-arm based navigation – in percutaneous resection of osteoid osteoma in spine and extremities. **J Bone Joint Surg Br** 2011 93-B:(SUPP II) 141.

Presentations:

A. Podium presentations:

a. International:

1. **Karthik Karuppaiah**, Ahmed Bilal, Toby Colegate-Stone, Joydeep Sinha, Adel Tavakkolizadeh. Outcome Following Management Of Comminuted Unstable Lateral End Clavicle Fractures With Locking Plate And Coracoclavicular Ligament Reconstruction With Coracoid Anchor, **19th EFORT congress, 30 May to 01 June 2018, Barcelona, Spain.**
2. Saini AK, Anoop A, **Karuppaiah K**, Kavarthapu V. Disparities in Trauma Care Between India and UK. **World Trauma Congress 2016, 15-20th August, New Delhi, India.**
3. Edwin, A. Sinha, S. Sait, D. Baskaran, **K. Karuppaiah**. Metacarpal fragility fractures: Cross-sectional study on epidemiology and predictive value of further fragility fractures. **FESSH 2016, 22-25 June 2016, Santander, Spain.**
4. Arya A, **Karuppaiah K**, Sinha J. Long Term Outcome Of Three & Four Part Proximal Humeral Fractures Treated With PHILOS Plate And Avascular Necrosis Of Humeral Head **13th ICSES , 18-20 May 2016, ICC, Jeju, Korea**
5. Altaf Ahmed, Mohamad Hachem, **Karthik Karuppaiah**. Arthroscopic versus open dorsal wrist ganglion excision: a 7 years' retrospective study to compare the rates of recurrence. **SICOT 2015, 17-19th Sep, Guangzhou, China**
6. **Karthik Karuppaiah**, Adel Tavakkolizadeh, Procar Dasgupta, Joydeep Sinha Robotic Surgery In Trauma And Orthopaedics – Systematic Review. **15th EFORT Congress**, London, 4-6 June 2014.

7. **Karthik Karuppaiah**, Adel Tavakkolizadeh, Joydeep Sinha Role Of Synthetic/Biologic Scaffolds In The Management Of Rotator Cuff Tears– A Systematic Review. **15th EFORT Congress**, London, 4-6 June 2014.
8. **Karthik Karuppaiah**, Rajesh Nanda, John Stothard. Analysis of the Causes and Outcome After Hypothenar Fat Pad Flap for Recurrent Carpal Tunnel Syndrome. **AAOS 2012, 8th Feb, San Francisco, USA.**
9. **Karthik Karuppaiah**, Rajesh Nanda, John Stothard. Analysis of the causes and outcome after vascularised hypothenar fat pad flap surgery in patients with recurrent carpal tunnel syndrome. **12th EFORT Congress, June 2011, Copenhagen**
10. **Karthik Karuppaiah** and Sanjay Miranda. Management of angulated fifth metacarpal shaft fractures in the out-patient clinic - a safe and cost-effective method. **12th EFORT Congress, June 2011, Copenhagen**
11. **Karthik Karuppaiah**, Rajesh Nanda, John Stothard, and Sivaraman Balasubramaniam. In severe ulnar nerve entrapment at the elbow does minimally invasive surgery has a role - results of a novel technique. **12th EFORT Congress, June 2011, Copenhagen**
12. **Karthik Karuppaiah**, Sr Sundararajan, J. Dheenadhayalan, and S. Rajasekaran. Non-concentric reduction following simple hip dislocations as an indicator of intra articular loose bodies - A prospective study of 117 dislocations. **EFORT 2010, Madrid, Spain.**
13. **Karthik Karuppaiah**, Ajoy Shetty, and S. Rajasekaran. Application of three dimensional C-arm based navigation - in percutaneous resection of osteoid osteoma in spine and extremities. **EFORT 2010, Madrid, Spain.**
14. **Karthik Karuppaiah**, Ajoy Shetty, and S. Rajasekaran. Navigated Iso-C3D-based percutaneous resection of osteoid osteoma – in spine and extremities. AA Mehta gold medal session, Indian Orthopaedic Association Conference - **IOACON 2008, Bangalore, India.**
15. **Karthik Karuppaiah**, Nalli. R. Uvaraj, R. Selvaraj Prof. Mayilvahanan Natarajan. A Study on Cemented Hemiarthroplasty for Unstable Intertrochanteric Fractures in Elderly Osteoporotic Patients – Paper presentation. Indian Orthopaedic Association Conference - **IOACON 2006 New Delhi.**

b. National:

1. Mr Oluwasegun Akilapa, Mr Surabh Aggarwal, Miss Ines Reichert, Mr **Karthik Karuppaiah**, Mr Jonathan Compson. Computer aided corrective osteotomies for malunited distal radius fractures: A systematic review of the literature. **BSSH, London, 15-16 Oct 2015.**
2. **Karuppaiah K**, Khan M, Sinha J, Arya A. Long term outcome of three & four part proximal humeral fractures treated with philos plate. **IOS UK Annual meeting, Huddersfield, 29th and 30th June 2013.**
3. AP Arya, **K Karuppaiah**, M Khan & J Sinha. Three & Four Part Proximal Humeral Fractures Treated With Philos Plate: 6-10 Years Results. **British Elbow and Shoulder Society, Leicester, 19th – 21st June 2013.**
4. **Karthik Karuppaiah**, Jonathan Compson. Corrective osteotomy of malunited metacarpal fractures – Long-term results of a novel technique. **BSSH meeting 25th/26th APRIL 2013, Harrogate, UK.**
5. Miss O Ashman, Mr M Khan, **Mr K Karuppaiah**, Mr J Compson **Comparison of outcome and complications following three different methods of wrist arthrodesis. BSSH meeting 25th/26th APRIL 2013, Harrogate, UK.**
6. SK Khan, **Karthik Karuppaiah**, AS Bajwa. The influence of process and patient factors on the recall of consent information in mentally competent patients undergoing surgery for neck of femur fractures. **British Trauma Society, Annual Scientific Meeting 2012, 18th May, Leeds UK.**
7. **Karthik Karuppaiah**, Rajesh Nanda, John Stothard. Recurrent Carpal Tunnel Syndrome - Analysis of the Causes and Outcome after Vascularised Hypothenar Fat Pad Flap Surgery. **BSSH/BAHT Combined Autumn Meeting Nov-2010, RCS-London.**
8. **Karthik Karuppaiah** and Sanjay Miranda. A Safe and Cost-effective Method for Treatment of Angulated Fifth Metacarpal Shaft Fractures in the Outpatient Clinic. **BSSH/BAHT Combined Autumn Meeting Nov-2010, RCS-London.**
9. **Karthik Karuppaiah**, Ajoy Shetty, and S. Rajasekaran. Utilisation of three dimensional C-Arm based navigation in percutaneous excision of osteoid osteoma in spine and extremities. **4th Annual conference of The British Society for Computer Aided Orthopaedic Surgery, 27 - 29 November 2009, London, UK.**

10. **Karthik Karuppaiah**, Ajoy Shetty, J. Dheenadayalan and S. Rajasekaran. Application of Classification And Regression Tree (CART) analysis in improving decisions of salvage and sequencing of treatments in challenging limb trauma – an analysis of the utility of various scores. **M Natarajan gold medal session, Tamilnadu Orthopaedic Association Conference - TNOACON 2009, Coimbatore, India.**
11. **Karthik Karuppaiah**, Ajoy Shetty, and S. Rajasekaran. Role of intraoperative navigation in paediatric population with spinal deformities/fractures - Tamilnadu Orthopaedic Association Conference - **TNOACON 2009, Coimbatore, India.**
12. **Karthik Karuppaiah**, Professor V. Thulasiraman. Management of Idiopathic Club Foot by Ponceti Technique – **Prof C. Vyageswaradu medal session, Tamil Nadu Orthopaedic Association Conference - TNOACON 2006 Chennai.**
13. **Karthik Karuppaiah**, Nalli. R. Uvaraj, Professor V. Thulasiraman, Prof. Mayilvahanan Natarajan. Analysis of functional outcome following containment osteotomies around the hip in Perthe's disease - Orthopaedic Association of South Indian States conference - **OAS/SCON 2005, Chennai.**

c. Regional:

1. **Karthik Karuppaiah**, Paul Baker, Kye Han, Anthony Hui. Role of Whole Body CT scan in polytrauma patients Orthopaedic audit meeting (Mr. Anthony Hui), **James Cook University Hospital, UK, 15th October, 2010.**
2. **Karthik Karuppaiah**, Ajoy Shetty, and S. Rajasekaran. Role of 3-Dimensional C-Arm based navigation in the percutaneous excision of osteoid osteoma in the spine and extremities. Orthopaedic audit meeting (Col. Michael Stewart), **James Cook University Hospital, UK, 16th December 2009.**
3. **Karthik Karuppaiah**, Ajoy Shetty, and S. Rajasekaran. Invasive spinal aspergillois in an immunocompetent child presenting with spontaneous complete cord transection – Paper presentation. **Coimbatore Orthopaedic society – July 2008.**

4. **Karthik Karuppaiah**, Nalli. R. Uvaraj, R. Selvaraj Prof. Mayilvahanan Natarajan. Role Of Anterior Decompression And Instrumentation In Tumours of Spine. **Madras Orthopaedic Society August 2006.**
5. **Karthik Karuppaiah**, Nalli. R. Uvaraj, Prof. Mayilvahanan Natarajan. Management of Gap Nonunion Both bone Leg. **Madras Orthopaedic Society November 2004 (Best paper award).**
6. **Karthik Karuppaiah**, Nalli. R. Uvaraj, R. Selvaraj Prof. Mayilvahanan Natarajan. Management of a Case of Spondylolisthesis. **Madras Orthopaedic Society, October 2004**

B. Poster Presentations:

a. International:

1. Ali, Zaid, Karuppaiah, Karthik, Poon, Henry Wrist Arthrodesis: Comparison Of Outcomes And Complications. **19th EFORT congress, 30 May to 01 June 2018, Barcelona, Spain.**
2. John Edwin, Joanna Bovis, Chris Bano, Jonathan Compson, Karthik Karuppaiah. Audit Of NHS Staff Perception And Knowledge Of Adverse Incident. **17th EFORT Congress**, 1-3 June 2016, Geneva, Switzerland.
3. **Karthik Karuppaiah**, Charles Godavitarne, Jonathan Compson Naevolipoma From Recurrent Motor Branch Of Median Nerve Presenting As A Thenar Mass. **15th EFORT Congress**, London, 4-6 June 2014.
4. **Karthik Karuppaiah**, Jason Lau, Joydeep Sinha, Adel Tavakkolizadeh Management Of Scapular Spine Stress Fractures: Our Experience In A Patient With Bilateral Fracture And Review Of The Literature. **15th EFORT Congress**, London, 4-6 June 2014.
5. Olivia Ashman, **Karthik Karuppaiah**, Adel Tavakkolizadeh Calcific Tendonitis Of The Long Head Of Biceps - An Unusual Cause Of Shoulder Pain. **15th EFORT Congress**, London, 4-6 June 2014.
6. **Karthik Karuppaiah**, Ayeshah Gordon Dixon, Jenn Shiunn Wong, William Alexander Scott. Copeland Humeral Head Resurfacing - A Long term Study analysing the functional outcome. **12th International Congress on Shoulder and Elbow Surgery**, 2013, April 10-12, Nagoya, Japan.

7. **Karthik Karuppaiah**, S Balasubramanian, Professor Amar Rangan. Functional outcome after repair of rotator cuff using knotless suture anchor fixation system. **12th EFORT Congress, June 2011, Copenhagen.**
8. **Karthik Karuppaiah**, Paul Baker, Kyee Han, Anthony Hui. Role of whole body CT scan in the evaluation of polytrauma patients. **12th EFORT Congress, June 2011, Copenhagen**
9. **Karthik Karuppaiah**, Ajoy Shetty, and S. Rajasekaran. Intraoperative life threatening acute lung injury due to multiple septic pulmonary emboli during Kyphoplasty. **12th EFORT Congress, June 2011, Copenhagen.**
10. **Karthik Karuppaiah**, Vijay Kamath, Professor Amar Rangan. Reconstruction of proximal humerus using Intramedullary Strut Allograft in Complex Proximal Humeral Fractures. **11th International Congress on Shoulder and Elbow, 2010 Edinburgh, UK.**
11. **Karthik Karuppaiah**, Manju Ramappa, Prof. Mayilvahanan Natarajan. Primary Cemented Hemiarthroplasty For Unstable Intertrochanteric Fractures In Elderly Osteoporotic Patients. **SICOT 2010, Gothenberg, Sweden.**
12. **Karthik Karuppaiah**, Vijay Kamath, Professor Amar Rangan. Utilisation Of Intramedullary Strut Allograft In The Management Of Complex Proximal Humeral Fractures. **SICOT 2010, Gothenberg, Sweden.**
13. **Karthik Karuppaiah**, Rajesh Nanda, John Stothard. Mini Open In-Situ Decompression Of Ulnar Nerve At The Cubital Tunnel: Early Results Of A Prospective Study. **SICOT 2010, Gothenberg, Sweden.**
14. **Karthik Karuppaiah**, Ajoy Shetty, J. Dheenadayalan and S. Rajasekaran. Analysis in decisions of salvage and Limb Reconstruction Pathways in Gustilo grade III injuries – Utilization of Ganga Hospital Open Injury severity Score. **EFORT 2010, Madrid, Spain.**
15. **Karthik Karuppaiah**, Nalli. R. Uvaraj, R. Selvaraj Prof. Mayilvahanan Natarajan. Foot Deformity Correction by Ilizarov Methodology. **Indian Orthopaedic Association Conference - IOACON 2005 Mumbai.**

b. National:

1. Ahmed A, Hachem M, Karuppaiah K. Arthroscopic versus open dorsal wrist ganglion excision: a seven years' retrospective study to compare the

- rates of recurrence. **BOA conference, 15th-18th September 2015, Liverpool, UK.**
2. Akilapa O, Aggarwal S, **Karuppaiah K**, Compson J. Corrective osteotomy for malunited distal radius fractures: a novel technique with the application of two plates. **BOA conference, 15th-18th September 2015, Liverpool, UK.**
 3. J Stanton, J Lunn, **Karthik Karuppaiah**. Relative metacarpal length. **BSSH meeting 30th APRIL&1st May 2013**, Bath, UK.
 4. O Akilapa, **Karthik Karuppaiah**, Mr J Compson Corrective osteotomies for malunited distal radius fractures: A novel technique with the application of two plates. **BSSH meeting 30th APRIL&1st May 2013**, Bath, UK.
 5. **Karthik Karuppaiah**, Jonathan Compson. Restricted Forearm Rotation With Heterotopic Ossification Following Tension Band Wiring For Olecranon Fracture. **IOS UK Annual meeting, 29th and 30th June 2013**, Huddersfield.
 6. **Karthik Karuppaiah**, Jason Lau, Joydeep Sinha, Adel Tavakolizadeh. Management Of Scapular Spine Stress Fractures – Our Experience In A Patient With Bilateral Fracture And Review Of Literature. **IOS UK Annual meeting, 29th and 30th June 2013**, Huddersfield.
 7. **Karthik Karuppaiah**, Jonathan Compson. Management of malunited metacarpal fractures – Long term results of a novel technique. **IOS UK Annual meeting, 29th and 30th June 2013**, Huddersfield.
 8. **Karthik Karuppaiah**, Jonathan Compson. Role Of Ligamentotaxis In Intraarticular Pathologic Fracture Of Hand. **IOS UK Annual meeting, 29th and 30th June 2013**, Huddersfield.
 9. John Edwin, Begum S, **Karuppaiah K**, Aggarwal S. Lisfranc fracture with ipsilateral navicular fracture – a case report. **IOS UK Annual meeting, 29th and 30th June 2013**, Huddersfield.
 10. **Karthik Karuppaiah**, Professor tony Kochhar. Extensor Pollicis Brevis tendon tear secondary to kettlebell training. **BSSH meeting 25th/26th APRIL 2013**, Harrogate, UK.
 11. **Karthik Karuppaiah**, Jonathan Compson. Pathological intra-articular fracture of a solitary enchondroma treated with ligamentotaxis and

- percutaneous curettage. **BSSH meeting 25th/26th APRIL 2013, Harrogate, UK.**
12. **Karthik Karuppaiah**, Nalli. R. Uvaraj, R. Selvaraj Prof. Mayilvahanan Natarajan. A Study Of Anterior Decompression And Instrumentation In Tumours of Spine – **Orthopaedic Association of South Indian States conference - OAS/SCON 2006 Tirupathy.**
 13. **Karthik Karuppaiah**, Nalli. R. Uvaraj, R. Selvaraj Prof. Mayilvahanan Natarajan. Enchondroma Of Tibia And Its Management. **Tamil Nadu Orthopaedic Association Conference – TNOACON 2006 Chennai.**
 14. **Karthik Karuppaiah**, Nalli. R. Uvaraj, Prof. Mayilvahanan Natarajan. Management of Crush Injury Leg – Our Experience. **Orthopaedic Association of South Indian States conference - OAS/SCON 2005, Chennai.**

c. Regional:

1. J Stanton, J Lunn, **Karthik Karuppaiah**. Relative metacarpal length. **Fred Heatley meeting**, Maidstone Hospital, 23rd September 2015,
2. **Karthik Karuppaiah** and Sanjay Miranda. A safe and cost-effective method for treatment of angulated fifth metacarpal shaft fractures in the outpatient clinic. **Fred Heatley meeting, KCH, London**, 28th Nov 2012.
3. Synthetic/biologic scaffolds in the management of injuries to Rotator cuff, Anterior Cruciate Ligament and Tendo Achilles – a systematic review. **Fred Heatley meeting, KCH, London**, 28th Nov 2012.
4. **Karthik Karuppaiah**, Jonathan Compson. Solitary enchondroma presenting with intra-articular comminuted fracture. **Fred Heatley meeting, KCH, London**, 28th Nov 2012.
5. **Karthik Karuppaiah**, Stothard J. Mini-open in-situ decompression of the ulnar nerve at the cubital tunnel: Results of a prospective study. **New Frontiers in Foot and Ankle Surgery, Queen Elizabeth Hospital, London** 11th July 2012.
6. **Karthik Karuppaiah**, Rangan A. Utilisation of Intramedullary Strut Allograft in the Management of Complex Proximal Humerus Fractures. **New Frontiers in Foot and Ankle Surgery, Queen Elizabeth Hospital, London** 11th July 2012.

C. Guest Lecture:

1. Invited guest lecture - My Journey through CESR. SAS Doctors Conference 2018 (HEE SL and HEE KSS) 29th June 2018, Auditorium, Events Centre, Stewart House, 32 Russell Square, London WC1 B5DN
2. Invited guest lecture in Sri Ramachandra medical college, Chennai, India on Proximal Humerus Fractures. 11th August 2015.
3. Invited guest lecture in 'CME on Complex trauma' – **47th Annual Conference of the Tamilnadu Orthopaedic Association**, 7th-9th Feb 2014, Chennai, India.
'Management of Difficult Proximal Humerus Fractures'
4. Invited guest lecture in 'CME on Complex trauma' – **47th Annual Conference of the Tamilnadu Orthopaedic Association**, 7th-9th Feb 2014, Chennai, India.
'Carpal & Ligamentous Injuries Around Wrist'
5. Invited guest lecture in 'Upper Limb Symposium' – **47th Annual Conference of the Tamilnadu Orthopaedic Association**, 7th-9th Feb 2014, Chennai, India.
'Distal Radius Osteotomy for Malunited Distal Radius Fractures'.
6. Invited Guest Lecture In Trauma - **57th Annual Conference of Indian Orthopaedic Association** held at Chennai between 13th to 15th December 2012.
'Utilisation Of Intramedullary Strut Allograft In The Reconstruction Of The Medial Hinge In Acute Complex Proximal Humeral Fractures'.

Continuing Professional Development

A. Courses related to the curriculum (including mandatory courses):

Course/Place	Period	Field of Training
Diversity, equal opportunity and human rights	24/1/2018	Online
Safeguarding children Level 3	1/6/2017	Online
Safeguarding Adult Level 1&2	1/6/2017	Online
AOTrauma Course—Wrist (Advanced) - Coventry, United Kingdom	08 Jun 2015 - 09 Jun 2015	Hand and wrist surgery
ATLS reverification course – Harrogate, UK	24 th September 2013	ATLS (Validated for further 4 years)
Care of Critically Ill Surgical Patient (CCrISP), Sunderland, UK	29 th June –July 1 st 2011	Critical care – Royal College of Surgeons of England
ATLS, Middlesbrough, UK	17-19 June 2009	ATLS
AO Spine Basic Course, Chennai, India	20-22 June 2008	Spine surgery
AO Spine spring seminar, Cochin, India	16 th March 2008	Advances in spine surgery
AO Course, Principles in operative fracture management, Cochin, India.	20-22 Sep' 2007	Basics of fracture fixation
Workshop on Limb Reconstruction System & Paediatric Orthopaedics, OASIS 2006 Tirupathy.	1 st – 3 rd Sep' 2006	Principles and surgical skills workshop on limb reconstruction and paediatric orthopaedics
Ethiskills, Orthopaedic, Ethicon Institute of Surgical Education, Chennai.	23 & 24Sep'2006	Simulated training on 'Basic orthopaedic surgical skills'
CME Programme & Workshop on Basic Fracture Fixation, Madras Medical College & Government General Hospital Chennai.	12 th & 13 th August 2006	Basics of fracture fixation
Workshop on Basic Ilizarov and instructional course lecture, IOACON Mumbai	25 th - 30 th December 2005	Principles and surgical skills workshop on limb reconstruction

Comprehensive Trauma Life Support (ITACCS – International Trauma Anaesthesia & Critical Care Society)Saveetha Dental College, Chennai	19 & 20 Oct' 2005	Similar to ATLS
Basic Life Support , IMCU & Poison treatment centre Government General Hospital Chennai	Mar'2003	Basic life support principles

B. Other professional development courses/workshop attended

Course/Place	Period	Field of Training
Complex Injuries of the wrist with Pre-Fractured Specimens Instructional Course, Hamburg	26th - 27th April 2018	Hand and wrist
Advance Reverse Shoulder Arthroplasty course, Stockholm, Sweeden	16-17 th Nov 2017	Shoulder and elbow surgery
Arthrex shoulder workshop Munich	17 th Oct 2017	Shoulder and elbow surgery
SETSEG meeting, Horder centre	10 th Oct 2017	Shoulder and elbow surgery
Private Practise essentials, London	30 th Sep 2017	Management
Surgical management of complex upper extremity trauma, Rome, Italy	8-9 th June 2017	Upperlimb
SETSEG meeting, Watford Symposium on Soft Tissue Treatment Options for Irreparable RCR	2 nd May 2017	Shoulder and elbow surgery
Major Trauma Centres Case Controversies, Coventry	24-25 th Apr 2017	Polytrauma
Maintaining medical services for a chronic threat of terrorism, Israel embassy, London, UK.	18 th Nov 2016	Polytrauma (gunshot and blast injuries)
Reading Shoulder Arthroplasty course, Reading, UK.	30 th Sep 2016	Shoulder arthroplasty
The Advanced Live Surgery Shoulder Passionate About Shoulders Course, Keele Medical School, UK.	25 th &26 th Nov 2015	Shoulder surgery
Senior Orthopaedic Mandatory	18 th May 2015	BLS, Information governance,

Training		Medical record management, Safeguarding children Level-2, Aseptic non-touch technique, Surgical site infection and infection control update.
Arthrocare shoulder arthroscopy programme. Kiel, Germany	18 th & 19 th July 2013	Arthroscopic shoulder surgery (Lectures and cadaveric workshop)
Solutions and Techniques: Traumatic injuries of the Hand & Wrist. Lucerne, Switzerland	15 th - 17 th May 2013	Hand and wrist surgery (Lectures and cadaveric workshop)
Reading Advanced Shoulder course, Reading. 11 CPD points (British Orthopaedic Association)	18 th and 19 th of October 2012	Shoulder and elbow surgery
Medical induction training, King's College Hospital, London	2 nd and 3 rd of October 2012	General medical training including ALS, infection control, fire and safety, data protection etc
New Frontiers in Foot and Ankle Surgery, London 5 CPD points (The Royal Society of Medicine)	11 th July 2012	Foot and Ankle surgery
3rd National Orthopaedic Infection Forum, London 5 CPD points (The Royal College of Pathologists)	4 th July 2012	Infection following joint replacement surgery
Wrightington Basic science Course	April 17-18 2012	Basic Science viva and lectures
Wrightington Upper limb Course	April 19-20, 2012	Upper limb viva, clinical examination and lectures
King's FRCS Paediatric revision course	March 31 st 2012, 1 day	Paediatrics
Oswestry FRCS clinical and Viva course	January 23-25, 2012	Orthopaedic clinical examination
Anatomy And Surgical Approaches—Spine & Extremities, Newcastle Medical School, Newcastle	23 rd & 24 th November 2011	Cadaveric course - anatomy and surgical exposures in orthopaedics
11th Chertsey FRCS Revision Course	September 15 th & 16 th 2011	Biomechanics/ Biomaterials
Oxford Knee Symposium, Oxford	22-24 March 2011	Knee
Instructional courses in shoulder and elbow. ICSES 2010, Edinburgh, United Kingdom	5 th – 8 th Sep' 2010	Shoulder and elbow surgery
'The 10th Postgraduate Surgical Course' by RCSEd. Hyderabad, India	8 th – 12 th October 2007	Preparatory course for MRCS
Indo European Arthroscopy/ Arthroplasty Foundation (IEAAF) Symposium. Sri Ramachandra Medical College & Research	7 th & 8 th Sep' 2007–	Arthroscopy and arthroplasty of knee, hip and shoulder

Institute, Chennai.		
Prof. S. Rajagopal Endowment Lecture in Orthopaedics "Challenges on Deformity Corrections" by Prof. R.H. Govardhan, Chennai, India	9 th Dec' 2012	Lecture on deformity correction
Post Graduate Orthopaedic course conducted by Indian Orthopaedic Association in New Delhi, India. IOACON 2006 New Delhi	13 th – 15 th Nov'2006,	Comprehensive review course for orthopaedic residents.
The nineth Prof. R. Thayumanaswami Memorial Oration "Revision Hip Replacement" 2006 by Prof. S.S.K. Marthandam, Chennai, India	16 th September 2006	Lecture on Revision hip replacement
K-Fixator for reduction and fixation of Spondylolisthesis - Dr. Patrick Kluger and Dr. Joseph Erli, from Aachen University, Germany, Chennai, India	11 th March 2006	Surgical management of spondylolisthesis
CME on Paediatric Orthopaedics Residency Towers, Chennai.	30 th July 2006	Paediatric orthopaedics
CME on Ortho Pathology , Sri Ramachandra Medical College & Research Institute, Chennai.	26 th Jan 2006	Pathological basis of orthopaedic diseases
CME on Hip Resurfacing Arthroplasty , Government Kilpauk Medical College, Chennai	1 st October 2005	Hip resurfacement
The eighth Dr. V.R. Thayumanaswamy Memorial Oration "The Evolution and Progress of Medical Science" by Prof. T. Dorairajan,	17 th September 2005	Evolution and Progress of Medical Science
Interactive programme/ lecture about training in UK. Mr. Ian Ritchie, Director, Surgical Training (UK), Chennai, India	8 th August 2005.	Training in UK
CME on revision hip arthroplasty - Mr. Ilango Balakrishnan, Consultant Orthopaedic Surgeons (UK), Chennai, India	July 2005	Revision hip arthroplasty
Training in primary care of systemic hypertension and diabetes mellitus , Stanley medical college, India	24 th Jan 2003	Management of diabetes mellitus

Conferences Attended:

International:

1. 19th EFFORT congress, 30th May to 1st June 2018, Barcelona, Spain.
2. *15th EFORT Congress*, London, 4-6 June 2014.
3. Indian Orthopaedic Association Conference 2012, 13th-16th December 2012, Chennai, India.
4. AAOS 2012, 7th – 11th February 2012, San Francisco, USA.
5. 12th EFORT Congress, 1st-4th June 2011, Copenhagen, Denmark.
6. International Congress on Shoulder and Elbow Surgery, September 5 to 8, ICSES 2010, Edinburgh, United Kingdom.
7. SICOT Congress, August 31 2010 to September 3 2010, Gothenberg, Sweden.
8. 11th EFFORT Congress, 2 – 5 June 2010, Madrid, Spain.
9. Indian Orthopaedic Association Conference 2nd – 7th December 2008 Bangalore, India.
10. Indian Orthopaedic Association Conference 9th – 15th November 2006 New Delhi, India.
11. Indian Orthopaedic Association Conference 25th – 30th December 2005 Mumbai, India (IOACON).
12. Indian Orthopaedic Association Conference 14th – 19th December 2004 Agra, India (IOACON).

National:

1. British Elbow and Shoulder Society (BESS) 2017 – 21-23 June, Coventry, UK.
2. British Elbow and Shoulder Society (BESS) 2015 – 24-26th June, Sheffield, UK.
3. British Society for the Surgeons of the Hand Meeting, 30th APRIL&1st May 2015, Bath, UK.
4. 47th Tamil Nadu Orthopaedic Association Conference 8th to 10th Feb 2014 Chennai, India.
5. Indian Orthopaedic Society UK 15th Annual Conference, Huddersfield, 29th and 30th June 2013.
6. British Society for the Surgeons of the Hand Meeting, Harrogate, April 25th and 26th 2013.
7. Indian Orthopaedic Society UK 14th Annual Conference, Glasgow, 30th June and 1st July 2012.
8. British Society for the Surgeons of the Hand/BAHT 2010 Autumn Meeting, London, November 11-12
9. 4th Annual Conference of The British Society for Computer Aided Orthopaedic Surgery, Nov 27 - 29, 2009, The Royal Society of Medicine, London, United Kingdom.
10. Tamil Nadu Orthopaedic Association Conference 13th – 15th February 2009 Coimbatore, India.
11. Tamil Nadu Orthopaedic Association Conference 4th & 5th March 2006 Chennai, India.
12. Orthopaedic Association of South Indian States Conference 1st – 3rd September 2006 Tirupathy, India.
13. Tamil Nadu Orthopaedic Association Conference 12th & 13th February 2005, Cuddalore, India.
14. Orthopaedic Association of South Indian States Conference 5th – 7th August 2005, Chennai, India.

15. Orthopaedic Association of South Indian States Conference 20th – 22nd August 2004, Thrissur, India (OASISCON).

Regional:

1. Fred Heatley Meeting, 28th November 2012, Weston Education Centre, King's college Hospital, London.
2. Coimbatore Orthopaedic society meeting, Coimbatore, India – July 2008.
3. Madras Orthopaedic Society meeting, India - August 2006.
4. Madras Orthopaedic Society meeting, India - November 2004.
5. Madras Orthopaedic Society meeting, India - October 2004.

Clinical Governance And Audit:

In King's College Hospital:

1. Audit of NHS staff perception and knowledge of adverse incident reporting – analysis from a teaching hospital. Joanna Bovis, Christopher Bano, John Edwin, Jonathan Compson, Karthik Karuppaiah.
2. Evaluation of technique and results of osteotomy following malunited metacarpal fractures. Mr. Karthik Karuppaiah, Mr Jonathan Compson. Data collection and analysis completed. Results presented in BSSH April meeting 2013, on the process of writing up for Journal of Hand Surgery.
3. Comparison of outcome and complications following three different methods of wrist arthrodesis. Miss O Ashman, Mr M Khan, Mr. Karthik Karuppaiah, Mr J Compson Results presented in BSSH meeting 2013, on the process of writing up for Journal of Hand Surgery.

In Queen Elizabeth Hospital, London

1. Evaluation of functional outcome after Copeland humeral head resurfacing. Mr. Karthik Karuppaiah, Mr William A Scott. Analysis completed. Presented in ICSES 2013.
2. Analysis of functional outcome following acromioplasty and cuff repair. Mr. Karthik Karuppaiah, Mr. Tony Kochhar.

In James Cook University Hospital, Middlesbrough:

1. The influence of process and patient factors on the recall of consent information in mentally competent patients undergoing surgery for neck of femur fractures. SK Khan, Mr. Karthik Karuppaiah, AS Bajwa (Loop closed). Presented in BTS 2012 and published in Ann R Coll Surg Engl.
2. Analysis of outcome in patients with cuff tear treated by Autocuff (sutureless) system. Mr. Karthik Karuppaiah, Prof. Amar Rangan. Completed and the results presented in EFORT congress 2011.
3. Minimally Invasive Decompression of the Ulnar Nerve at the Elbow. Mr. Karthik Karuppaiah, Prof. John Stothard. The results of which were presented in national and international conferences. The audit cycle is closed. The audit is published in Journal of Hand Surgery (European).
4. Role of Whole body CT scan in polytrauma patients - Mr. Karthik Karuppaiah, Mr AC Hui. Data collection and analysis completed. Presented in the local audit meeting and EFORT congress 2011.

In Ganga Hospital (2008 - 2009)

1. Role of navigation in the treatment of osteoid osteoma of spine and extremities. Mr. Karthik Karuppaiah, Dr. Ajoy Prasad shetty, Dr. J. Dheenadhayalan, Prof S. Rajasekaran. Presented in national and international conferences. Published in Journal of Paediatric Orthopaedics (B).
2. Incongruent reduction following posttraumatic hip dislocations as an indicator of intra articular loose bodies - Analysis of 117 dislocations. Mr. Karthik Karuppaiah, S.R. Sundararajan, Dr. J. Dheenadhayalan, Prof. S. Rajasekaran, Presented in national and international conferences. Published in Indian Journal of Orthopaedics.

In Madras Medical College, (2004 - 2007),

1. Foot Deformity Correction by Ilizarov Methodology. Mr. Karthik Karuppaiah, Dr. Nalli R Uvaraj, Prof. Mayilvahanan Natarajan. The results of the study were presented in regional and national conferences.

2. Management of crush injury leg – our experience. Mr. Karthik Karuppaiah, Dr. Nalli R Uvaraj, Prof. Mayilvahanan Natarajan. The results of the study were presented in regional and national conferences.

Teaching and training experience:

Courses attended:

'Training Tomorrow's Trainers Course' in King's College Hospital, on 9th and 10th March 2013. It has following components

1. 'Teaching The Teacher Workshop'
2. 'Supervision Skills Workshop For Medical Educators'
3. 'Workplace Based Assessment Workshop'
4. 'Equality & Diversity Training'

Experience:

I. King's College Hospital

1. Faculty member in Hand surgery FRCS (Orth) revision course, Chandos House, London, King's College Hospital and Orthopaedic Research UK - 19-20, September 2016.
2. Faculty member in King's College Hospital, FRCS (Tr&Orth) INTENSE REVISION COURSE on 7th – 9th September 2016.
3. Faculty member in King's College Hospital, FRCS (Tr&Orth) INTENSE REVISION COURSE on 6-8 April 2016

4. Faculty member in King's College Hospital, FRCS (Tr&Orth) INTENSE REVISION COURSE on 2nd – 4th September 2015
5. Faculty member in King's College Hospital, FRCS (Tr&Orth) INTENSE REVISION COURSE on 8th – 10th April 2015
6. Faculty member in Upper Limb FRCS (Tr&Orth) Course in Medway Hospital, Kent on 24th January 2015.
7. Faculty member in Upper Limb FRCS (Tr&Orth) Course in Medway Hospital, Kent on 18th October 2014.
8. Faculty member in Upper Limb FRCS (Tr&Orth) Course in Medway Hospital, Kent on 22nd March 2014.
9. Faculty member in King's College Hospital, FRCS (Tr&Orth) INTENSE REVISION COURSE on 5th to 7th March 2013
10. Faculty member in Upper Limb FRCS (Tr&Orth) Course in Medway Hospital, Kent on 19th October 2013.
11. Faculty member in King's College Hospital, FRCS (Tr&Orth) HAND REVISION COURSE on 10th October 2013.
12. Faculty member in the Basic Surgical Skills course. Minimal access unit, King's College Hospital, 9th and 10th October 2013
13. Faculty member in Upper Limb FRCS (Tr&Orth) Course in Medway Hospital, Kent on 15th June 2013.
14. Faculty member in King's College Hospital, FRCS (Tr&Orth) INTENSE REVISION COURSE on 21st & 22nd March 2013
15. Faculty member in King's College Hospital, FRCS (Tr&Orth) HAND REVISION COURSE on 7th March 2013.
16. Faculty in King's College Hospital, FRCS (TR & ORTH) INTENSE REVISION COURSE on 25th and 26th of October 2012.
17. Faculty member in the Basic Surgical Skills course. Minimal access unit, King's College Hospital, 9th May 2013
18. Examiner for medical students (MBBS programme) in King's College London, School of Medicine and Institute for Psychiatry.

19. Actively involved in teaching junior doctors and registrars in journal club and Monday evening teaching sessions.
20. Taught medical students from King's College Hospital in wards, clinic and theatre.
21. Training junior doctors in theatres, wards and clinic followed by assessment

II. Queen Elizabeth Hospital

1. Taught medical students from Guy's, King's and St. Thomas
2. Actively involved in teaching junior doctors and registrars in journal club and Thursday evening teaching sessions.
3. Training junior doctors in theatres, wards and clinic followed by assessment

III. James Cook University Hospital

1. Taught medical students
2. Informal teaching for SHO's for MRCS exams.
3. Completed 'Designing Research Project' module in my MSc (Evidence based orthopaedics- Teeside University, UK). Have lectured on how to write a research application form/grant form for Medical students/junior doctors.

IV. Ganga Hospital

1. Taught Junior medical/paramedical staff
2. Teaching Orthopaedic trainees (Diplomate in National Board trainees) and acted as a guide for their masters degree dissertation

V. Sri Ramachandra Medical College and Research Institute

1. The job plan involves active contribution to the undergraduate curriculum for the MBBS, BPT, BSc Nursing and BDS and Allied Health Sciences Programmes
2. I had dedicated sessions for teaching undergraduate and postgraduate students. I was also involved in guiding postgraduate students for their dissertation/research work in the University.
3. Besides regular teaching methods, I taught post graduate trainees in Orthopaedic Bones Skills Lab, Clinical Skills Lab and simulator trainings.
4. Involvement in periodic assessment of trainees by objective structured clinical examination, clinical and written examination.
5. Active involvement in postgraduate teaching programme, 'SCORE 2008 (Sri Ramachandra Continuing Orthopaedic Revision Education)'

VI. Madras Medical College and Government General Hospital

1. Taught Junior medical/paramedical staff
2. Actively participated in COTE (Continuing Ortho & Trauma Education) programmes

VII. Other teaching and training experience:

1. **Judge for 'Prof TK SHANMUGASUNDARAM MEDAL PAPERS' session** - 47th Annual Conference of the Tamilnadu Orthopaedic Association, 7th-9th Feb 2014, Chennai, India.
2. **Judge for 'Prof T S XAVIER MEDAL PAPERS (HAND SURGERY)' session** - 47th Annual Conference of the Tamilnadu Orthopaedic Association, 7th-9th Feb 2014, Chennai, India.
3. **Participated as a faculty in the 'Case Based Discussion' session** - 47th Annual Conference of the Tamilnadu Orthopaedic Association, 7th-9th Feb 2014, Chennai, India.

Management and leadership:

Courses attended:

1. 'Keele Clinical Management/Leadership Course for SpRs' at King's College Hospital Postgraduate Centre, London on 15-16 April 2013

Department of Postgraduate Medical & Dental Education, King's College Hospital in collaboration with Keele University, organises this course.

2. Understanding and developing leadership abilities webinar. BMA, 24th April 2013.

Experience:

1. King's College Hospital

- Research co-ordinator for the upper limb firm in King's College Hospital.
- Actively involved in organizing teaching and journal clubs for both junior and senior doctors.
- Clinical – Rapid access lists at PRUH and MSK services at Bexley

2. Queen Elizabeth Hospital

- Actively involved in organising Outpatient Parenteral Antibiotic Therapy (OPAT) service and microbiology MDT meeting.

3. James Cook University Hospital

- Actively involved in service improvement programs by liaising with managers and consultants – Suggested changes in consent forms, based on my audit on consent forms in elderly patient with hip fractures.

4. Ganga Hospital

- Organising committee member for Ganga Operative Arthroplasty course May, 2008.

5. Sri Ramachandra Medical College and Research Institute

- Teaching undergraduate and postgraduate trainees

5. Madras Medical College and Government General Hospital

- Designing and implementation of rota and teaching programme

6. Stanley Medical College:

- Arranged for College excursions for a class of 110 for 5 days while doing MBBS.
- Active member of mess committee at Stanley Medical College hostel, which catered for 500 students.
- Council member Stanley Medical College, India – Helped in organising cultural and sporting events.
- Class representative while doing MBBS at Stanley Medical College, Chennai, India.

Additional activities:

Editorial Board Member:

1. Indian Journal of Orthopaedics - Impact Factor® for 2012 is **0.737**

(The journal is indexed with Abstracts on Hygiene and Communicable Diseases , CAB Abstracts, Caspur, CNKI (China National Knowledge Infrastructure), DOAJ, EBSCO Publishing's Electronic Databases, EMCARE, Expanded Academic ASAP, Genamics JournalSeek, Global Health, Google Scholar, Health & Wellness Research Center, Health Reference Center Academic, Hinari, Index Copernicus, Indian Science Abstracts, IndMed, Journal Citation Reports, National Science Library, OpenJGate, PrimoCentral, ProQuest, **PubMed, Pubmed Central**, Science Citation Index Expanded, Scimago Journal Ranking, SCOLOAR, SCOPUS, SIIC databases, SNEMB, Summon by Serial Solutions, Tropical Diseases Bulletin, Ulrich's International Periodical Directory and Web of Science)

2. International Journal of Orthopaedics
3. WebmedCentral
4. World Journal of Orthopaedics
5. CPQ Orthopaedics

Reviewer:

1. Journal of Hand Surgery (European)
2. BMJ case reports
3. Orthopaedic surgery
4. Indian Journal of Orthopaedics

5. Annals of Medical and Health Sciences Research
6. Journal of Pediatric Infectious Diseases
7. BioMed Research International
8. Journal of Molecular and Genetic Medicine
9. Journal of Mahatma Gandhi Institute of Medical Sciences

Hobby/Interests:

- Football and cricket - enjoy team sports (Football team captain in Stanley medical college. Our team has won university level football matches).
- Stamp collection
- Running, gym
- Horse race – Honorary medical officer for Point-to-Point races (The Old Surrey, Burstow & West Kent Hunt)