



DR. JIKKU HANIBALL

CONSULTANT ORTHOPAEDIC SURGEON

MBBS, MS (Ortho) MRCS (Ire), MRCS (Edn)

FRCS Trauma and Orthopaedics (Edin)

Clinical Fellow National University Hospital (NUH) Singapore,

UICC Fellow Royal Orthopaedic Hospital (ROH) Birmingham

CAREER SUMMARY

With over twenty years of Orthopaedics experience in renowned teaching institutions, my aim is to advance and deliver my expertise in Hip and Knee Arthroplasty.

My area of focus is on Knee and Hip replacement surgery. In this field I have more than fifteen years of exclusive working experience in specialist Hip and Knee Arthroplasty units. I have extensive experience in complex and revision hip and knee surgery including revision surgery for failed replacements, periprosthetic fractures and infected joint replacements. My special interest is in Robotic assisted knee and hip replacement.

My aim to achieve improved patient outcomes by utilizing enhanced recovery pathways facilitating shorter length hospital stay for joint replacement surgery. In addition to my clinical practice, I have a genuine interest in research. This has led to publications in many reputed journals. This has also resulted in opportunities to present, and invitations to lecture, at national and international meetings and conferences. I am passionate and actively involved in the teaching of orthopaedic residents and medical students.

In my free time I enjoy travelling, trekking and badminton. My philosophy in life is "to be your best version in whatever you do."

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EDUCATION

Nov 2018
FRCS Trauma and Ortho (Edinburgh)
• Fellow of Royal College of Surgeons

Aug 2010
MRCS (Edinburgh)
• Member of Royal College of Surgeons

Nov 2009
MRCS (Ireland)
• Member Royal College of Surgeons

2000-2003
MS Orthopaedics, Manipal, India
• Master of Surgery in Orthopaedics

1991-1997
MBBS, Kottayam Medical College
• Bachelor in Medicine Bachelor in Surgery

PROFESSIONAL EXPERIENCE

Principal Resident Physician
Consultant in Charge Hip and Knee Adult Reconstruction
Department of Orthopaedics
Tan Tock Seng Hospital | 2018 - present

Description:

TTSH is a public tertiary and is the second largest hospital in Singapore. I work in the Hip and Knee adult reconstruction and arthroplasty unit from 2011. Initially I joined the unit as a registrar and later was promoted to Principal Resident Physician, Consultant in Charge in the unit after I cleared my FRCS Trauma and Orthopaedics Edinburgh. I have advanced and updated knowledge in reconstructive surgery and primary, complex and revision arthroplasty surgery of Hip and Knee. I run my own Adult Reconstruction Sub speciality outpatient clinics, admitting hip and knee replacement and reconstruction cases, perform surgery, and follow-up of the patients till their complete recovery. With my Enhanced Recovery After Surgery (ERAS) protocol, I am currently able to perform 60% of my knee arthroplasty cases as day surgery with either day 1 or 2 discharge. I also aim to discharge my hip arthroplasty cases by day 2 although as same day admission inpatient cases. I am actively involved as a faculty in the postgraduate and undergraduate teaching of the department.

CERTIFICATIONS

Aug 2022
Robotic Mako Hip Replacement Certification

Oct 2021
Robotic Mako Total Knee Replacement Certification

Sep 2021
Robotic Mako Partial Knee Replacement Certification

2013
ATLS Certification (TTSH Singapore)

2010
Advanced Cardiac Life Support Certification
Basic Cardiac Life Support Certification

2009
Stryker Navigated Knee Certification Course

2007
AO Seminar-Workshop (Advanced Course), Chennai

2006
AO Seminar-Workshop (Basic Course), Pune
Conducted by AO International

Registrar Hip and Knee Adult Reconstruction **Department of Orthopaedics** **Tan Tock Seng Hospital | 2011 – 2018**

Description

Worked in the Hip and Knee Adult Reconstruction Unit as registrar, performing, assisting and management over 3000 Hip and Knee arthroplasty cases during this time.

Clinical Fellow AR/MSO

National University Hospital Singapore | Dec 2009 - Jun 2010

Description

At the NUH, I was trained as a clinical fellow in the musculoskeletal tumour and arthroplasty division. The unit is the largest center dealing with musculoskeletal oncology in the region.

Orthopaedic specialist

KBMC, Adliya, Bahrain | Sep 2008- Aug 2009

Description

Worked as Orthopaedic specialist in the department of Orthopaedics.

Evaluation, workup, management and follow-up of surgical and non-surgical orthopaedic patients.

Assistant Professor- Department of Orthopaedics

Kasturba Medical College, Manipal, India | Sep 2004 - April 2008

Description:

Department of Orthopaedics, Kasturba Medical College Manipal is reputed Orthopaedic resident teaching and was the first institution in India which started specialized subunit teaching in the country. I worked as an Assistant Professor in the Arthroplasty unit in the Orthopaedic Department. My responsibilities included attending to all Orthopaedic trauma, joint and Replacement surgeries. As a premium teaching institution, duties as Assistant Professor included undergraduate and post-graduate teaching program, in addition to clinical work.

Orthopaedic Registrar

Christian Medical College, Vellore | Sep 2003 - Aug 2004

Description:

The 105 year old Christian Medical College, Vellore is an internationally known institution of the highest repute. I worked as a second on-call non trainee registrar in the Arthroplasty and Spine Unit of the Orthopaedic Department. My responsibilities included attending to all Orthopaedic trauma, joint replacement surgeries and spinal surgeries. I was also involved as staff in daily undergraduate and postgraduate teaching programs.

Orthopaedic Resident- Department of Orthopaedics

Kasturba Medical College, Manipal, India | July 2000 - Aug 2003

Description

I did my Orthopaedic training with specialist half yearly rotations in Hand Surgery, Paediatric Orthopaedics, Spine Surgery, Adult Reconstruction, Sports Surgery and OrthopaedicTrauma.□

SPECIALIST WORKING EXPERIENCE

Arthroplasty of Hip and Knee | Sep 2003-Aug 2004

- Prof. Vernon N. Lee; M.Ch.Orth.(L'Pool),
- Christian Medical College, Vellore

Arthroplasty of Hip, Knee and Elbow | Sep 2004-Oct 2006

- Prof. Sharath Kumar Rao; D.Ortho, M.S.Ortho,
- Kasturba Medical College, Manipal

Musculoskeletal Oncology | 2007

- Mr. Robert J Grimer FRCS
- The Royal Orthopaedic Hospital, Birmingham, United Kingdom

Adult Reconstruction and Musculoskeletal Oncology | Dec 2009 - June 2010

- Mr Saminathan Sureshnathan FRCS(ED)
- National University Hospital, Singapore

PRESENTATIONS

Oct 2021

Robotic (Mako) Assisted Acetabular Cup Placement in Intra-Pelvic Acetabular Protrusion

- Cochin International Orthopaedic Summit
- Cochin Orthopaedic Society

Aug 2021

Common Sports Injuries and Management

- National Zoom Health and Wellness Meeting
- SMA

March 2021

The Failing Knee Replacement for FRCS

- The FRCS Mentor group- Mentor in the group
- Orthopaedic Academy- Mentor in the group
- Accredited provider Royal College of Surgeons Edinburgh

Jan 2021

Ortho Book Club: Book Review Session on Concise Orthopaedic Notes

- Ortho TV: Orthopaedic Video Surgery Webinars
- Orthopaedic Academy

July 2020

Impossible knees made possible with robotics

- Singapore Orthopaedic Association
- Webinar conference

May 2020

Management of Valgus Knee for Orthopaedic Exams

- The FRCS Mentor group- Mentor in the group
- Orthopaedic Academy- Mentor in the group
- Accredited provider Royal College of Surgeons Edinburgh

Oct 2019

Comparison of early Radiological and Functional results of Robotic Vs Navigated Vs Conventional Total Knee Arthroplasty

- 42th Annual Scientific Meeting
- Singapore Orthopaedic Association
- Grant Hyatt, Singapore

Oct 2019

Radiological parameters affecting post-operative range of motion after total knee Arthroplasty - A matched case control study

- 42th Annual Scientific Meeting
- Singapore Orthopaedic Association
- Grant Hyatt, Singapore

Sep 2019

Robotic Assisted Acetabular Cup Placement in neglected central fracture dislocation of Hip- Description of Surgical Technique

- 42th Annual Scientific Meeting
- Singapore Orthopaedic Association
- Grant Hyatt, Singapore

SURGICAL COMPETENCE

Hip and Knee (Core Interest)

- Robotic (Mako) Total and Partial Knee Replacement
- Robotic (Mako) Total Hip Replacement
- Knee and Hip Replacement Surgery
- Revision Surgery for Failed Knee and Hip replacement
- Minimally Invasive Joint Replacement Surgery
- Navigated assisted Knee replacement
- Partial knee replacement
- Hip Resurfacing Surgery

Trauma Surgery

- Conservative & Surgical management of fractures
- Complex, Complicated and Revision Trauma Surgery

Shoulder and Elbow

- Shoulder Replacement Surgery
- Elbow Replacement Surgery

March 2019

Shoulder Arthroplasty for FRCS

- The FRCS Mentor group- Mentor in the group
- Orthopaedic Academy- Mentor in the group
- Accredited provider Royal College of Surgeons Edinburgh

Oct 2011

Economic benefits of hip reconstruction amongst patients with destructive hip tumors- A cost savings analysis

- Combined Meeting of the Connective Tissue Oncology Society and the Musculoskeletal Tumour Society, Sheraton Chicago Hotel & Towers
- Illinois, United States

Oct 2011

Impact of hip reconstructive surgery on ambulatory status of patients with hip tumors and destructive hip lesions

- Combined Meeting of the Connective Tissue Oncology Society and the Musculoskeletal Tumour Society, Sheraton Chicago Hotel & Towers
- Illinois, United States

Sep 2011

Carbonated Apatite-Calcium Phosphate Cement as bone void filler after curettage large benign bone tumours

- 16th General meeting International Society of Limb Salvage
- National Convention Centre, Beijing, China

Sep 2007

Epidemiology of Fractures in Parkinsonism in a tertiary hospital in South India

- Presented at Orthopaedic Association of South Indian States
- OASISCON. Mangalore, India

July 2007

Bilateral stress fractures of femoral neck - a series of four cases

- Joint Meeting of the 32nd Annual Scientific Meeting of The Royal College of Surgeons of Thailand (RCST) & The Royal Australasian College of Surgeons (RACS)
- Bangkok, Thailand

Jun 2006

One or Two Lag Screws with Intramedullary Nails for Unstable Trochanteric Fractures of Femur in the Elderly - Randomized Clinical Trial

- 36th Malaysian Orthopaedic Association (MAO) Annual Scientific Meeting and 2nd Asia Pacific Orthopaedic Association (APOA)
- Trauma Section Meeting-a Combined Conference
- Kuala Lumpur, Malaysia

Jun 2006

Outcome After Partial Meniscectomy in Stable Knees

- 36th Malaysian Orthopaedic Association (MAO) Annual Scientific Meeting and 2nd Asia Pacific Orthopaedic Association (APOA)
- Trauma Section Meeting-a Combined Conference
- Kuala Lumpur, Malaysia

MEDICAL LICENSURE

2018

Fellow of Royal College of Surgeons FRCS
Trauma and Orthopaedics Edinburgh

2015

Singapore Medical Council Permanent
Registration

2010

Member of Royal College of Surgeons of
Edinburgh

2009

Member of Royal College of Surgeons of
Ireland

2008

Bahrain Orthopaedic Specialist Registration
• License no: 6073

2008

International Union Against Cancer (FAU),
Geneva

2007

Indian Arthroscopy Association Life Member
• Registration No: 1924

2003

Tamil Nadu Medical Council
• Registration No: 72928

1998

Indian (TC) Medical Council of Modern
Medicine
• Registration No: 25891

MEDICAL SCHOOL AFFILIATION

1. Clinical Lecture in Orthopedics

- Yong Loo Lin School of Medicine
- National University of Singapore

2. Adjunct and Content Expert, Orthopaedics

- Lee Kong Chan School of Medicine

PAPERS PUBLISHED

JBJS Case Connector, Oct-Dec 2020;10(4)

**Robotic-Assisted Acetabular Cup Placement in Severe Intrapelvic Acetabular Protrusion:
A Case Report**

- Jikku Haniball, Lee Bing Howe, Kelvin Tan Guoping
- Tan Tock Seng Hospital, Singapore

Chinese Journal of Traumatology, Volume 18, April 2015

**Lateral cortex blowout during PFNA blade insertion in a subtrochanteric fracture
Should bone quality determine the type of nail used?**

- Jikku Haniball, Sunil Gurpur Kini, Lai Choon Hin
- University College London Hospitals United Kingdom
- Department of Orthopaedics, Tan Tock Seng Hospital, Singapore

Sarcoma, Volume 2011(1); 538085

**Prognostic Factors and Metastatic Patterns in Primary Myxoid/Round-Cell
Liposarcoma.**

- J. Haniball, V. P. Sumathi, L.-G. Kindblom, A. Abudu, S. R. Carter, R. M. Tillman, L. Jeys, D. Spooner, D. Peake, and R. J. Grimer
- Royal Orthopaedic Hospital, Birmingham, United Kingdom

Oasiscon, Mangalore, Sep 2007

Epidemiology of Fractures in Parkinsonism in a tertiary hospital in South India

- Jikku Haniball, Bhaskaranand Kumar
- Department of Orthopaedics Kasturba Medical College, Manipal

The Indian Journal of Medical Research 2008, Vol 127

Study of hand manifestations in scleroderma patients in Kasturba Hospital, Manipal

- Jikku Haniball, Bhaskaranand Kumar
- Department of Orthopaedics Kasturba Medical College, Manipal

Journal Orthopaedic Association of South Indian States, 2006; 3: 20-24

Nailing or Plating in diaphyseal fractures of humerus – Where are we today?

- Jikku Haniball, Srinivasa Vidhyadhara, Sharath Kumar Rao
- Department of Orthopaedics Kasturba Medical College, Manipal

Journal of Orthopaedic Association of South Indian States; 2007,2: 34-39

Evaluation of radial shortening in Kienbock's disease

- Jikku Haniball, Anil Bhat, Bhaskaranand Kumar
- Department of Orthopaedics Kasturba Medical College, Manipal

Kerala Orthopaedic Conference Jan 2007 Souvenir

Locking Compression Plate

- Jikku Haniball, Sharath Kumar Rao
- Department of Orthopaedics Kasturba Medical College, Manipal

Thesis Submitted as part of completion of Masters in Orthopaedics 2003

**Arthroscopic Assisted Anterior Cruciate Ligament Reconstruction using Quadruple
Hamstring Vs Bone Patella Tendon Bone Graft – 2 year follow-up**

- Jikku Haniball, Sripathi Rao
- Department of Orthopaedics Kasturba Medical College, Manipal

REFERENCES

1. Prof. Benjamin Joseph

D.Orth, M.S.Orth., M.Ch.Orth.(L'Pool)
Professor & Head of Unit II Department of
Orthopaedics
K. M. C. Hospital Manipal 576
104 (Udupi)Karnataka State
India
Tel: 91-820-2922754Fax:
91-820-2571394
E-mail: bjosephortho@yahoo.co.in

2. Mr Robert J Grimer

M.B., F.R.C.S., F.R.C.S.(ED) ORTH
Consultant Orthopaedic OncologistBone
Tumour Treatment Service
The Royal Orthopaedic Hospital
NHS Foundation Trust
The Woodlands, Northfield,
Birmingham
United Kingdom
Tel: 0044 121 685 4019
Fax: 0121 685 4146
E-mail: rob.grimer@btopenworld.com

3. Adj Asst Prof Kelvin Tan Guoping

MBBS, MRCS (Edin), FRCS (Edin) (Ortho)
Senior Consultant
Head of Service (Adult Reconstruction),
Department of Orthopaedics
Tan Tock Seng Hospital Singapore
Tel: +65 97324262
E-mail: kelvin_tan@ttsh.com.sg

POSTERS

Restoring Ambulation Among Patients With Hip Tumors:

What Is The Role Of Reconstructive Hip Surgery?

- National university hospital, Singapore
- Combined Meeting of the Connective Tissue Oncology Society and the Musculoskeletal Tumour Society, Sheraton Chicago Hotel & Towers
- Illinois, United States

Hip Reconstruction In Patients With Destructive Hip Tumors - A More Cost-Effective Option Than No Surgery At All?

- National university hospital, Singapore
- Combined Meeting of the Connective Tissue Oncology Society and the Musculoskeletal Tumour Society, Sheraton Chicago Hotel & Towers
- Illinois, United States

July 2007

Unusual Injury of the Medial Collateral Ligament of the Knee Joint- A Case Report

- Department of Orthopaedics Kasturba Medical College, Manipal
- Joint Meeting of the 32nd Annual Scientific Meeting of The Royal College of Surgeons of Thailand &The Royal Australasian College of Surgeons
- Bangkok, Thailand

July 2007

Multiple Joint Replacements in Patients with Rheumatoid Arthritis- A Report of Five Cases

- Department of Orthopaedics Kasturba Medical College, Manipal
- Joint Meeting of the 32nd Annual Scientific Meeting of The Royal College of Surgeons of Thailand &The Royal Australasian College of Surgeons
- Bangkok, Thailand

Jan 2007

Differentiation of Human Bone Marrow Stem Cells into Osteogenic Cells

- Department of Orthopaedics Kasturba Medical College, Manipal
- National Biotechnology conference,
- Bangalore, India

Bangalore Aug 2004

11 Cases of Femoral Neck Fractures in Haemophilia

- Department of Orthopaedics Kasturba Medical College, Manipal
- Won "SECOND BEST POSTER AWARD
- OASISCON, Trissur,

August 2004

Foot drop - A Case Report of an interesting presentation

- Christian Medical College, Vellore
- Karnataka Orthopaedic Association Conference.
- Bangalore, India

REVIEWER FOR JOURNALS

- British Medical Journal Case Reports
- Journal of Clinical Medical research

CHAPTERS WRITTEN IN TEXT BOOKS

Concise Orthopaedic Note; Revision aid in Orthopaedic fellowship, Board and Diploma Examinations; Edition 2021

- Lower Limb Hip and Knee Chapter