

CURRICULUM VITAE

PERSONAL DETAILS AND CONTACT INFORMATION

Name: Gregory Bodley Firth
Date of Birth: 13-01-1976
Gender: Male
Mobile Telephone: +447846740340
E-mail: greg.firth@gmail.com , gregory.firth@nhs.net
Nationality: British / South African

REGISTRATIONS

HPCSA: MP 0525030 (Health Professional Council of South Africa)
MPS: 01/29475
CFC (Malpractice): MMJ0024268204
GMC No.: 6029058 (Trauma & Orthopaedics Specialist Register)
ICO Reference ZB322252.

MEMBERSHIPS

South African Paediatric Orthopaedic Society (Member from 2009 till present)
South African Paediatric Orthopaedic Society (Secretary 2014 - 2018)
South African Orthopaedic Association (Member from 2008 to present)
Medical Protection Society (Member from 2000 to 2018)
General Medical Council (UK) (Member from 2002 to present)
Health Professionals Council of South Africa (Member from 2000 to present)
British Society for Children's Orthopaedic Surgery (BSCOS) (Member from Jan 2021 to present)
European Paediatric Orthopaedic Society (EPOS) (Associate Member from Jan 2020 to present)
CFC Medical Malpractice (Member from Dec 2020 to present)
British Orthopaedic Association (BOA) (Member from Jan 2021 to present)

QUALIFICATIONS

2011 – Paediatric Orthopaedic Fellowship, Royal Children's Hospital, Melbourne, Australia
2010 – Paediatric Orthopaedic Fellowship, University of Ottawa, Children's Hospital of Eastern Ontario, Canada
2008 – MMed (Orthopaedics) (University of the Witwatersrand), Thesis Subject: Developmental Hip Dysplasia – Predicting Outcome and Implications for Secondary Procedures
2008 – FCS (Orthopaedics) SA. University of the Witwatersrand, Orthopaedic specialist registrar (2005-2008), Basic surgical training (2003-2004).
1999 – MBChB (University of the Witwatersrand Medical School, 1994-1999)
1993 – Matric exemption (A Level equivalent), St John's College (1989-1993).

EMPLOYMENT HISTORY

1. POST TITLE:

Paediatric Orthopaedic Substantive Consultant.

DATES:

01/02/2023 – Present.

FULL TIME.

INSTITUTION NAME & LOCATION:

Maidstone & Tunbridge Wells NHS Trust, Kent, United Kingdom.

SUPERVISORS:

- Clinical Lead – Mr Lee David
- Paediatric orthopaedic clinical Lead: Mr M Katchburian
- Paediatric orthopaedic consultant colleagues: Mr M Katchburian, Ms J Dartnell, Mr C Hong

JOB DESCRIPTION:

Clinical commitments:

Responsible for outpatient clinics at Maidstone Hospital and Pembury Hospital with Outreach Clinics and a weekly elective paediatric orthopaedic theatre list as well as on call duties and emergency theatre cover for paediatric and adult orthopaedic trauma.

I manage a wide range of cases including trauma, developmental dysplasia of the hip, clubfoot, deformity and leg length discrepancy cases, slipped capital femoral epiphysis, Blount's disease and many other conditions involving lower limbs in children.

Involved in a weekly multi-disciplinary team (MDT) session with my consultant colleagues, discussing difficult cases for management decisions.

Other MDTs occur with other specialties as needed.

Non-clinical commitments:

To be confirmed

Teaching, Training and Research:

Responsible for specialist registrar training and teaching in outpatient clinic areas as well as in operating theatres – formal feedback through work-based assessments (WBA's), procedure-based assessments (PBA's) and multi-source feedback (MSF).

Involved in FRCS Teaching Webinars.

Involved in reviewing articles for a number of Orthopaedic Journals.

Ongoing participation in audits.

EMPLOYMENT HISTORY (Continued)

2. POST TITLE:

Private Practice. Paediatric Orthopaedic Consultant.

DATES:

01/01/2022 – Present.

PART TIME.

INSTITUTION NAME & LOCATION:

Firth Orthopaedics Ltd. Portland Hospital & Cromwell Hospital, London, United Kingdom.

SUPERVISORS:

- Portland Hospital CEO - Ms Jane Whitney-Smith.
- Cromwell Hospital CEO – Mr Philip Luce.

JOB DESCRIPTION:

Clinical commitments:

Responsible for outpatient clinics once a week and elective paediatric orthopaedic theatre list ad hoc. Involved in running the business as a limited private company.
Involved in medicolegal work within in the field of paediatric orthopaedics.

EMPLOYMENT HISTORY (Continued)**3. POST TITLE:**

Paediatric Orthopaedic Substantive Consultant.

DATES:

16/12/2020 – 31/01/2023.

FULL TIME.**INSTITUTION NAME & LOCATION:**

Bart's Health NHS Trust, Royal London Hospital, London, United Kingdom.

SUPERVISORS:

- Clinical training programme director: Mr L Di Mascio
- Programme Director (Percival Pott's Rotation): Mr P Achan
- Educational training programme director (RLH Rotation): Mr K Akhtar
- Overall clinical lead: Ms H Arshad
- Paediatric orthopaedic clinical Lead: Mr R Ramachandran
- Paediatric orthopaedic consultant colleagues: Mr M Ramachandran, Ms C Maizen and Mr D Manoukian

JOB DESCRIPTION:**Clinical commitments:**

Responsible for four to five outpatient clinics a week and a weekly elective paediatric orthopaedic theatre list as well as on call duties and emergency theatre cover for paediatric and adult orthopaedic trauma.

Involved in ad hoc extra adult elective and trauma theatres at Royal London Hospital and Newham General Hospital.

Involved in a weekly multi-disciplinary team (MDT) session with my consultant colleagues, specialist registrars and physiotherapists in paediatric orthopaedics discussing difficult cases for management decisions.

Weekly MDTs also occur with radiology and paediatrician colleagues.

Other MDTs occur with other specialties as needed.

Regarding rota commitments I cover the paediatric orthopaedic trauma admissions once a week during the week and one weekend a month, assisting with theatre cases where necessary.

Cover of the adult on call orthopaedic trauma rota occasionally.

Non-clinical commitments:

Part of the research team at the Royal London Hospital responsible for delivering research in key areas of innovation, big data/outcomes, polytrauma and fragility fractures.

Responsible for paediatric orthopaedic research initiatives.

Responsible for administration in all areas – clinics, theatres, equipment, health and safety etc.

Quality improvement projects – Signapps theatre efficiency project

EMPLOYMENT HISTORY (Continued)

Quality and safety project – Radiation protection supervisor for the Orthopaedic Department at the Royal London Hospital

Teaching, Training and Research:

Responsible for undergraduate medical student and specialist registrar training and teaching in outpatient clinic areas as well as in operating theatres – formal feedback through work-based assessments (WBA's), procedure-based assessments (PBA's) and multi-source feedback (MSF).

Responsible for teaching sessions with specialist registrars in more formal lecture basis.

Involved in FRCS Mock exams at Royal London Hospital.

Involved in reviewing articles for a number of Orthopaedic Journals.

Ongoing participation in audits.

4. POST TITLE:

Paediatric Orthopaedic Locum Consultant.

DATES:

01/04/2018 – 15/12/2020.

FULL TIME.**INSTITUTION NAME & LOCATION:**

Bart's Health NHS Trust, Royal London Hospital, London, United Kingdom.

SUPERVISORS:

- Clinical training programme director: Mr P Bates
- Programme Director (Percival Pott's Rotation): Mr P Achan
- Educational training programme director (RLH Rotation): Mr K Akhtar
- Overall clinical lead: Ms H Arshad
- Paediatric orthopaedic clinical Lead: Ms P Bjilmsa
- Paediatric orthopaedic consultant colleagues: Mr M Ramachandran, Ms C Maizen and Mr D Manoukian

JOB DESCRIPTION:**Clinical commitments:**

Responsible for four to five outpatient clinics a week and a weekly elective paediatric orthopaedic theatre list as well as on call duties and emergency theatre cover for paediatric and adult orthopaedic trauma.

Involved in ad hoc extra adult elective and trauma theatres at Royal London Hospital and Newham General Hospital.

Involved in a weekly multi-disciplinary team (MDT) session with my consultant colleagues, specialist registrars and physiotherapists in paediatric orthopaedics discussing difficult cases for management decisions.

EMPLOYMENT HISTORY (Continued)

Weekly MDTs also occur with radiology and paediatrician colleagues.

Other MDTs occur with other specialties as needed.

Regarding rota commitments I cover the paediatric orthopaedic trauma admissions once a week during the week and one weekend a month, assisting with theatre cases where necessary.

Cover of the adult on call orthopaedic trauma rota occurred during my CESR application.

Non-clinical commitments:

Part of the research team at the Royal London Hospital responsible for delivering research in key areas of innovation, big data/outcomes, polytrauma and fragility fractures.

Responsible for paediatric orthopaedic research initiatives.

Responsible for administration in all areas – clinics, theatres, equipment, health and safety etc.

Teaching, Training and Research:

Responsible for undergraduate medical student and specialist registrar training and teaching in outpatient clinic areas as well as in operating theatres – formal feedback through work-based assessments (WBA's), procedure-based assessments (PBA's) and multi-source feedback (MSF).

Responsible for teaching sessions with specialist registrars in more formal lecture basis.

Involved in FRCS Mock exams at Royal London Hospital.

Involved in reviewing articles for a number of Orthopaedic Journals – awaiting to attend the Reviewers course for British Bone and Joint Journal (BJJ) to start reviewing for BJJ too.

Booked to start teaching on the NOTTS (Non-technical skills for surgeons) course.

Ongoing participation in audits.

5. POST TITLE:

Orthopaedic Consultant and Clinical Head of Paediatric Orthopaedic Unit.

DATES:

01/08/2011 – 31/03/2018.

FULL TIME.**INSTITUTION NAME & LOCATION:**

University of the Witwatersrand Orthopaedic Department, Chris Hani Baragwanath Academic Hospital, Soweto, South Africa.

SUPERVISORS:

- Head of Department: Prof MT Ramokgopa
- Deputy Head of Department: Prof S Magabotha
- Head of Paediatric Orthopaedics (Charlotte Maxeke Johannesburg Academic Hospital): Prof A Robertson
- Paediatric Orthopaedic Consultants: Dr Y Ramguthy

JOB DESCRIPTION:

EMPLOYMENT HISTORY (Continued)Clinical Commitments:

Responsible for orthopaedic care at Chris Hani Baragwanath Academic Hospital as a member of the orthopaedic team.

Responsible for running the paediatric orthopaedic unit – responsible for covering two clinics a week and two theatre lists a week as well as covering orthopaedic cover and emergency surgeries for children and adults.

Involved with on call rota for adults and children's emergency orthopaedics.

Responsible for paediatric orthopaedic wards.

Non-clinical Commitments:

Management of all staff within the Paediatric Orthopaedic Unit – interns, medical officers, specialist registrars and other consultants.

Ensuring operating theatres and clinics adequately staffed.

Attending Unit Head / Ward management meetings on a regular basis.

Responsible for signing off staff in paediatric orthopaedics for annual leave rotations.

Teaching, training and research:

Responsible for specialist registrar training – including weekly tutorials at a formal level as well as daily training at a clinical level both in the orthopaedic clinic, wards and operating theatres.

Responsible for orientating Interns and specialist Registrars at the start of each new rotation.

Responsible for starting a regular journal club meeting at Chris Hani Baragwanath Academic Hospital.

Responsible for starting weekly audit / morbidity / mortality meetings with formal teaching on paediatric orthopaedic cases.

Responsible for starting a paediatric orthopaedic research unit at Chris Hani Baragwanath Academic Hospital and employing a research assistant and parent advisers / research assistants in the weekly Ponseti Clubfoot clinic.

EMPLOYMENT HISTORY (Continued)**6. POST TITLE:**

Orthopaedic Consultant; Private Practice.

DATES:

01/11/2011 – 31/03/2018.

PART TIME.**INSTITUTION NAME & LOCATION:**

Sandton Mediclinic Private Hospital, Johannesburg, South Africa.

SUPERVISORS:

- Hospital Manager: Ms L Sole (Registered professional nurse)
- Orthopaedic Colleagues: Prof R Van Der Jagt (Past president South African Orthopaedic Association), Dr R Stein, Dr H Marin, Dr M McDonald

JOB DESCRIPTION:**Clinical Commitments:**

Responsible for all patients (adults and children) admitted under my name on call or seen in an out-patient clinic with all orthopaedic conditions (elective and trauma).

Responsible for regular after hours on call rota.

Responsible for two after hours clinics per week, one elective theatre one afternoon per week and on call cover after hours for adult and paediatric orthopaedic emergencies with operating theatre access as needed after hours.

Close collaboration with paediatric department in hospital – reviewing and managing orthopaedic related cases.

Non clinical Commitments:

Responsible for managing my private practice – employed a secretary, financial service provider, tax consultants and book keeper.

Practice management included determining rates and fees for patient services rendered within the guidelines of medical schemes association of South Africa and managing the practice with good business principles, while at the same time providing world class orthopaedic services.

Teaching, training and research:

Teaching registrars in the operating theatre or discussing cases at multi-disciplinary meetings with other specialist colleagues or on an informal case by case basis.

Attending audit and morbidity/mortality meetings where relevant.

EMPLOYMENT HISTORY (Continued)

7. POST TITLE:

Paediatric Orthopaedic Fellow.

DATES:

01/01/2011 – 31/07/2011.

FULL TIME.

INSTITUTION NAME & LOCATION:

Royal Children's Hospital, University of Melbourne, Melbourne, Australia.

SUPERVISORS:

- Programme Director: Dr L Donnan
- Senior Consultants: Prof H K Graham, Prof I Torode, Dr G Natrass, Dr M O'Sullivan
- Consultants: Dr M Johnson, Dr P Selber, Dr J Balakumar, Dr C Harris, Dr A Khot

JOB DESCRIPTION:

Clinical Commitments:

Rotated through a number of sub-specialties including general paediatric orthopaedics, spine and neuromuscular paediatric orthopaedics.

Responsible for admitted patients, clinic responsibilities, theatre cover – elective and emergency cases.

Non clinical Commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for research component in undertaking a number of research projects to presentation and publication.

Responsible for teaching residents and attending formal teaching in addition to teaching ward rounds and attending audit meetings.

EMPLOYMENT HISTORY (Continued)

8. POST TITLE:

Paediatric Orthopaedic Fellow.

DATES:

01/01/2010 – 31/12/2010.

FULL TIME.

INSTITUTION NAME & LOCATION:

Children's Hospital of Eastern Ontario, University of Ottawa, Ottawa, Canada.

SUPERISORS:

- Programme Director: Dr B Willis
- Senior Consultants: Dr J Jarvis, Dr L Lawton
- Consultants: Dr P Moroz, Dr K Kontio

JOB DESCRIPTION:

Clinical Commitments:

Rotated through a number of sub-specialties including general paediatric orthopaedics, spine and neuromuscular paediatric orthopaedics.

Responsible for admitted patients, clinic responsibilities, theatre cover – elective and emergency cases.

Non clinical Commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for research component in undertaking a number of research projects to presentation and publication.

Responsible for teaching residents and attending formal teaching in addition to teaching ward rounds and attending audit meetings.

EMPLOYMENT HISTORY (Continued)**9. POST TITLE:**

Orthopaedic Consultant.

DATES:

01/01/2009 – 31/12/2009.

FULL TIME.**INSTITUTION NAME & LOCATION:**

Chris Hani Baragwanath Academic Hospital, University of the Witwatersrand Orthopaedic Department, Soweto, South Africa.

SUPERVISORS:

- Head of Department: Prof MT Ramokgopa
- Deputy Head of Department: Prof S Magabotha
- Head of Paediatrics (Charlotte Maxeke Johannesburg Academic Hospital): Prof A Robertson

JOB DESCRIPTION:**Clinical Commitments:**

Responsible for running the paediatric orthopaedic unit. Responsible for covering two clinics a week and two theatre lists a week as well as covering orthopaedic cover and emergency surgeries for children and adults, on call rota for adults and children's orthopaedics. Responsible for paediatric orthopaedic wards.

Non clinical commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for research component in undertaking a number of research projects to presentation and publication.

Responsible for teaching registrars and attending formal teaching in addition to teaching ward rounds and attending audit meetings.

EMPLOYMENT HISTORY (Continued)**10. POST TITLE:**

Specialist Orthopaedic Registrar. Training number: W-13-01-15.

DATES:

01/01/2005 – 31/12/2008.

FULL TIME.**INSTITUTION NAME & LOCATION:**

University of the Witwatersrand Orthopaedic Department; Johannesburg Hospital, Helen Joseph Hospital & Chris Hani Baragwanath Academic Hospital; Johannesburg, South Africa.

ROTATIONS AND SUPERVISORS:

01/01/2005 – 30/06/2005	Johannesburg Hospital	Trauma Orthopaedic Unit Dr M Radziejowski
01/07/2005 – 31/12/2005	Helen Joseph Hospital	Upper Limb/General Unit Dr A Aden
01/01/2006 – 31/03/2006	Chris Hani Baragwanath Hospital (CHBH)	Paediatric Unit Dr A Robertson / Prof E Erken / Dr M Munir
01/04/2006 – 30/09/2006	CHBH	Hand Unit Dr W Stuart
01/10/2006 – 31/12/2006	CHBH	Paediatric Unit Dr A Robertson / Prof E Erken / Dr M Munir
01/01/2007 – 30/06/2007	Helen Joseph Hospital	Upper Limb/General Unit Dr A Aden / Dr N Cable
01/07/2007 – 30/09/2007	Klerksdorp Hospital	General Orthopaedic Unit Dr Van Castricum
01/10/2007 – 31/12/2007	CHBH	Spine Unit Dr F Rodriguez / A Mjuza
01/01/2008 – 31/03/2008	Johannesburg Hospital	Tumour and Sepsis Unit Prof E Lautenbach / Dr R Kyte
01/04/2008 – 30/09/2008	Johannesburg Hospital	Arthroplasty Unit Prof A Schepers
01/10/2008 – 31/12/2008	Johannesburg Hospital	Spine Unit Prof M Lukhele

JOB DESCRIPTION:**Clinical Commitments:**

Rotated through a number of sub-specialties (listed above).

EMPLOYMENT HISTORY (Continued)

Responsible for admitted patients, clinic responsibilities, theatre cover – elective and emergency cases.

Non clinical Commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for research component in undertaking a number of research projects to presentation and publication.

Responsible for teaching presentations and attending formal teaching in addition to teaching ward rounds and attending audit meetings.

11. POST TITLE:

Senior Medical Officer. General Orthopaedics.

DATES:

01/10/2004 – 31/12/2004.

FULL TIME.**INSTITUTION NAME & LOCATION:**

Johannesburg Academic Hospital, University of the Witwatersrand Orthopaedic Department.

SUPERVISOR:

Head of Department: Prof A Shepers.

JOB DESCRIPTION:**Clinical commitments:**

Responsible for basic care of orthopaedic patients in ward. Ensuring patients properly prepared for theatres, covering all ward related concerns, cover of orthopaedic clinics and on call rota responsibilities with good surgical exposure to both elective and emergency orthopaedics.

Non clinical Commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for attending teaching presentations and attending formal teaching in addition to teaching ward rounds and attending audit meetings.

EMPLOYMENT HISTORY (Continued)**12. POST TITLE:**

General Surgery, Specialist Registrar.

DATES:

01/06/2003 – 30/09/2004.

FULL TIME.**INSTITUTION NAME & LOCATION:**

Johannesburg Academic Hospital, University of the Witwatersrand Orthopaedic Department.

SUPERVISOR:

Head of Department: Prof K Boffard.

ROTATIONS AND SUPERVISORS:

01/06/2003 – 31/08/2003	Johannesburg Hospital	Gastrointestinal Surgery Dr D Bizos
01/09/2003 – 31/12/2003	Johannesburg Hospital	Trauma Dr Goosen / Prof K Boffard
01/01/2004 – 31/05/2004	Johannesburg Hospital	General Paediatric Surgery Prof P Beale
01/06/2004 – 30/09/2004	Johannesburg Hospital	Intensive Care Unit Prof G Richards

JOB DESCRIPTION:**Clinical commitments:**

Covered each sub-specialty of general surgery as a specialist registrar trainee. Covered principles of surgical care including GIT surgery, general trauma, paediatric surgery and intensive care. Responsible for care of patients in each of these disciplines. Responsible for covering the wards, clinics and elective and emergency theatre lists. On call rota responsibilities as the primary surgeon with consultant cover if needed.

Non clinical Commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for attending teaching presentations and attending formal teaching in addition to teaching ward rounds and attending audit meetings.

EMPLOYMENT HISTORY (Continued)

13. POST TITLE:

Locum Casualty Officer.

DATES:

20/03/2003 – 31/05/2003.

FULL TIME.

INSTITUTION NAME & LOCATION:

Sandton Mediclinic, Netcare Olivedale Hospital and Wilgeheuwel Hospital. Johannesburg, South Africa.

SUPERVISOR:

ER Consulting Medical Emergency Services.

JOB DESCRIPTION:

Clinical commitments:

Covered general casualty shifts – responsible for care of all paediatric and adult cases – medical and trauma. Responsible for specialist referral if indicated.

Non clinical Commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for attending teaching presentations audit meetings.

14. POST TITLE:

Resident Medical Officer.

DATES:

01/06/2002 – 28/02/2003.

FULL TIME.

INSTITUTION NAME & LOCATION:

Warwickshire Nuffield Hospital, Leamington Spa, United Kingdom.

SUPERVISOR:

Cape Medical Services; Director: Dr S Agoston.

JOB DESCRIPTION:

Clinical commitments:

EMPLOYMENT HISTORY (Continued)

Covered patient care in the ward for peri-operative care of orthopaedic patients, general surgery patients, general medical patients and oncology patients. On site for two weeks at a time then off for one-week cycle.

Non clinical Commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for own self education goals. Used time to study for FCS (Orth) Primary exam.

15. POST TITLE:

Senior Medical Officer.

DATES:

01/01/2002 – 31/05/2002.

FULL TIME.**INSTITUTION NAME & LOCATION:**

Mosvold Hospital, rural Kwazulu Natal, South Africa.

SUPERVISOR:

Dr A Ross – medical Director.

ROTATIONS AND SUPERVISORS:Senior Medical Officer.

01/01/2002 – 31/03/2002 Mosvold Hospital

Obstetrics and Gynaecology

Dr A Ross

01/04/2002 – 31/05/2002 Mosvold Hospital

Paediatrics

Dr A Ross

JOB DESCRIPTION:Clinical commitments:

Responsible for the care of obstetric, gynaecological and paediatric patients in wards and clinics and peri-operative care including surgical treatment if indicated. Responsible for appropriate transfer to a tertiary facility by air ambulance if necessary. All work performed under direct consultant cover and guidance.

Non clinical Commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for attending teaching presentations and attending formal teaching in addition to teaching ward rounds and attending audit meetings.

EMPLOYMENT HISTORY (Continued)**16. POST TITLE:**

Community Service Officer.

DATES:

01/01/2001 – 31/12/2001.

FULL TIME.**INSTITUTION NAME & LOCATION:**

Mosvold Hospital, rural Kwazulu Natal, South Africa.

SUPERVISOR:

Dr A Ross – medical Director.

ROTATIONS AND SUPERVISORS:

01/01/2001 – 31/05/2001 Mosvold Hospital

Surgery
Internal Medicine
Obstetrics and Gynaecology
Anaesthetics

Dr A Ross

01/06/2001 – 31/12/2001 Mosvold Hospital

Paediatrics
Accident and Emergency

Dr A Ross

JOB DESCRIPTION:**Clinical commitments:**

Under consultant cover responsible for patient care in each of the sub-specialties described in a rural hospital with limited facilities and stock of equipment. Was essential to sometimes make do with what was available to try and give patients an acceptable form of treatment. Covered clinics including outreach by ambulance or aeroplane. Responsible for patient care in outpatient clinics and wards with on call rota responsibilities.

Non clinical Commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for attending teaching presentations and attending formal teaching in addition to teaching ward rounds and attending audit meetings.

EMPLOYMENT HISTORY (Continued)**17. POST TITLE:**

Medical Intern, Junior House Officer

DATES:

01/01/2000 – 31/12/2000.

FULL TIME.**INSTITUTION NAME & LOCATION:**

Helen Joseph Hospital, Johannesburg, South Africa.

SUPERVISORS:

Internal Medicine – Prof McPhail.

General Surgery – Prof J Oettle.

ROTATIONS AND SUPERVISORS:**Junior House Officer.**

01/01/2000 – 30/06/2000 Helen Joseph Hospital

General Medicine

Prof McPhail / Dr Cheeta

01/07/2000 – 31/12/2000 Helen Joseph Hospital

General Surgery

Prof J Oettle

JOB DESCRIPTION:**Clinical commitments:**

Training in each of the above-mentioned sub-specialties. Responsible for patient care in wards and outpatient clinics under direct consultant and registrar supervision.

Responsible for ward cover and on call management of all patients in casualty and wards as per team rotation.

Non clinical Commitments:

Responsible for administrative work.

Teaching, training and research:

Responsible for attending teaching presentations and attending formal teaching in addition to teaching ward rounds and attending audit meetings.

AWARDS

1. Poster Award. 23rd EFORT Annual Congress Lisbon, June 2022.

(A Singh, D Eastwood, W Bierrum, J Wormald, G Firth)

Poster prize.

Plate fixation vs flexible intramedullary nails for management of closed femoral shaft fractures in the paediatric population: A systematic review and meta-analysis of the adverse outcomes.

2. Poster Award. SAOA Annual Congress, Sep 2018.

(A Rutarama, GB Firth)

Second prize. Poster competition.

Assessment of elbow functional outcome after closed reduction and percutaneous pinning of grade three displaced supracondylar fractures.

3. Smith and Nephew Literary Award. SAOA Annual Congress, Sep 2017.

(F Malagelada, S Mayet, GB Firth, M Ramachandran)

The impact of the Ponseti treatment method on parents and caregivers of children with clubfoot: a comparison of two urban populations in Europe and Africa.

J Child Orthop. 2016 Apr;10(2):101-7.

4. Poster Award. SAOA Annual Congress Sep 2015.

(A Khalfallah, Y Ramguthy, GB Firth)

Second prize. Electronic Poster competition.

Necrotizing fasciitis after open distal radius fracture in a ten-year-old child.

5. ABC Travelling Fellow Award, July 2014

ABC travelling fellowship 2014. I was selected to represent South Africa with 6 other orthopaedic surgeons (From UK, Australia and New Zealand). We travelled to the East coast of North America giving presentations and learning from leaders in orthopaedics at eleven centres over a 6-week period in the United States of America and Canada.

6. Smith and Nephew Literary Award. SAOA Annual Congress, Sep 2013.

(GB Firth, E Passmore, M Sangeux, P Thomason, J Rodda, S Donath, P Selber, HK Graham)

Surgery for Equinus Gait in Children with Spastic Diplegia: Medium Term Follow- Up with Gait Analysis.

J Bone Joint Surg (Am). 2013; May 15;95(10):931-8.

7. Poster Award. SAOA Annual Congress, Sep 2009.

(T Mazibuko, GB Firth)

Second prize, Poster competition

Traumatic Hip Dislocations in Children.

AWARDS (Continued)

8. Research Training Fellowship in Health Sciences Award, Dec 2008.

Research grant towards research projects done including: 'Developmental dysplasia of the hip – predicting outcome and implications for secondary procedures.' Dr AJF Robertson as Principal Investigator.

9. Best Registrar Paper. SAOA Annual Congress, Sep 2007.

(GB Firth, A Robertson, P Fatti, A Schepers)

A New Method to Predict the Outcome in Developmental Dysplasia of the Hip.

10. University of the Witwatersrand, Mannie Lunz Registrar Prize.

Best overall registrar in training, Orthopaedic Department, 2006

RESEARCH EXPERIENCE

1. MMed project. Completed dissertation as part of degree and passed through the University of the Witwatersrand.

Research entitled: Developmental Hip Dysplasia. Predicting Outcome and Implications for Secondary Procedures.

Supervisor: Dr A Robertson.

2. Numerous research projects performed during registrar training and as a fellow (Ottawa, Canada and Melbourne, Australia) and then as a Consultant in Johannesburg, South Africa and London, United Kingdom. Resulted in over 50 publications in peer reviewed journals.

3. Responsible for developing a paediatric orthopaedic research team including regular journal club meetings, multidisciplinary radiology meetings and multidisciplinary bone metabolic unit meetings and multidisciplinary / close relationship with paediatric surgery unit at CHBAH. These endeavours led to collaboration with colleagues from around the world and a large number of publications resulting and listed below.

4. World wide research collaboration with colleagues in South Africa, Canada, Argentina, United Kingdom and Australia resulting in a number of publications listed below.

4. Co-Investigator for DAP-PEDOST-11-03 study. A multicentre, randomized, double blinded comparative study to evaluate the efficacy, safety and pharmacokinetics of Daptomycin versus active comparator in pediatric subjects with acute hematogenous osteomyelitis due to gram positive organisms. Enrolled ten patients.

5. Local Principal Investigator for 'International Orthopaedic MULTicenter Study in Fracture Care' (INORMUS) – A multicentre prospective non-randomized, non-controlled observational study in orthopaedic fracture care and outcomes. (Start date 01.05.2015).

Global Principal Investigator – Dr Mohit Bhandari. McMaster University, Hamilton, Ontario, Canada. Current number of patients enrolled = 848.

6. Local Principal Investigator (PI) for Hip fracture accelerated surgical treatment and care track trial (HIP ATTACK). (Start date 04.04.2017) (Currently local Co-Investigator as from April 2018 after moving to the United Kingdom).

Global Principal Investigator – Dr Mohit Bhandari and Dr PJ Devereaux. McMaster University, Hamilton, Ontario, Canada. Current number of patients enrolled = 112.

7. Member of Bart's Health (Royal London Hospital) Orthopaedic Research Steering Committee from December 2018 until the appointment of Prof X Griffin as head of Orthopaedics, QMUL. Research opportunities ongoing.

RESEARCH EXPERIENCE

8. Co-applicant and local PI for HTA / NIHR134125 - Imaging in Paediatric Osteomyelitis (the PICBONE study):
a multi-centre cohort study to understand the role of MRI and ultrasound in the diagnosis of acute haematogenous osteomyelitis in children.
9. Co-applicant and local PI for NIHR135131: Clinical effectiveness of a child-specific dynamic stretching exercise programme, compared to usual care, for ambulant children with spastic cerebral palsy - the SPELL trial.
10. Co-applicant and local PI for NIHR135150: Clinical effectiveness of an adolescent-specific strengthening programme, compared to usual care, for ambulant adolescents with spastic cerebral palsy - the ROBUST trial.

PUBLICATIONS

1. **Firth GB**, Radziejowski M, Lukhele M. Temporary External Fixators – A Provincial Experience. SA Orthop J. 2006.
2. **Firth GB**, Aden A. Treatment of Lunate and Perilunate Dislocations with a Combined Approach and Anchor Repair of the Dorsal Scapho-lunate Interosseus Ligament SA Orthop J. 2008.
3. **Firth GB**, M Eltringham, G Schnier. Early Results of the Ponseti Technique for a Club Foot Clinic in South Africa. South African Orthopaedic Journal, 2009
4. **Firth GB**, Robertson AJ, Schepers A, Fatti L. Developmental Dysplasia of the Hip – Open Reduction as a Risk Factor for Significant Osteonecrosis. Clinical Orthopaedics and Related Research. 2010;468(9):2485-94. DOI 10.1007/s11999-010-1400-y
5. **Firth GB**, Mazibuko AD and Munir M. Traumatic dislocation of the hip joint in children. SA Orthop J. 2010;9(1):68-71.
6. Pretorius C, **Firth GB**. Road traffic accidents and orthopaedic injuries in children. SA Orthop J. 2010;9(3):65-68.
7. **Firth GB**, Roy A, Moroz PJ. Foreign body migration along a tendon sheath in the lower extremity. A case report and literature review. J Bone joint Surg. 2011;93(8):e38. DOI 10.2106/JBJS.J.00902
8. **Firth GB**, Masquijo J, Kontio K. Trans-tibial Ertl Amputation for Children & Adolescents with Limb Deficiencies. J Child Orthop (2011) 5:357-362. DOI 10.1007/s11832-011-0364-0
9. **Firth GB**, Kingwell S, Moroz P. Pediatric Non-Contiguous Spinal Injuries: the 15 year Experience at One Pediatric Trauma Centre. Spine, 2012;1,37(10):E599-608. DOI 10.1097/BRS.0b013e31824079ea
10. Robertson AJF, **Firth GB**, Truda C, Ramdass DA, Groome M, Madhi S. Epidemiology of acute osteo-articular sepsis in a setting with a high prevalence of pediatric HIV infection. J Pediatr Orthop. 2012;32(2):215-219. DOI 10.1097/BPO.0b013e3182468cd7
11. Willis RB, **Firth G**. Traumatic Patellar Dislocations. Loose Bodies and the MPFL. J Pediatr Orthop. 2012;32 Suppl 1:S47-51. DOI 10.1097/BPO.0b013e318256107b
12. Ukunda UNF, **Firth GB** and Robertson AJF. The contralateral hip in SCFE: prophylactic pinning complicated by a subtrochanteric fracture. SA Orthop J. 2012;11(3):97-106.

PUBLICATIONS (Continued)

- 13.** Dagge B, **Firth GB**, Palamara JEA, Eizenberg N, Donath S, Graham HK. Biomechanics of Medial Hamstring Lengthening. ANZ Journal of Surgery. 2012; 82(5):355-361. DOI 10.1111/j.1445-2197.2012.06030.x
- 14.** Sikhauli N, Ramguthy Y and **Firth GB**. The paediatric 'floating arm' or segmental humerus fracture - a case report. SA Orthop J. 2013;12(1):35-37.
- 15.** **Firth GB**, Passmore E, Sangeux M, Thomason P, Rodda J, Donath S, Selber P, Graham HK. Surgery for Equinus Gait in Children with Spastic Diplegia: Medium Term Follow- Up with Gait Analysis. J Bone Joint Surg (Am). 2013; May 15;95(10):931-8. DOI 10.2106/JBJS.K.01542
- 16.** **Firth GB**, McMullan M, Chin T, Ma F, Selber P, Eizenberg N, Wolfe R, Graham HK. Lengthening of the Gastrosoleus: An Anatomical and Biomechanical Study in Human Cadavers. J Bone Joint Surg (Am). 2013 Aug 21;95(16):1489-96. DOI 10.2106/JBJS.K.01638
- 17.** Hip Fracture Accelerated Surgical Treatment and **Care Track (HIP ATTACK)**
Investigators. Accelerated care versus standard care among patients with hip fracture: the HIP ATTACK pilot trial. CMAJ. 2014 Jan 7;186(1):E52-60. doi: 10.1503/cmaj.130901
- 18.** **INORMUS Investigative Committee** on behalf of all INORMUS Investigators. Operationalizing an Orthopaedic Research Plan in the Decade of Action for Road Safety: The International ORthopaedic MUlticenter Study in Fracture Care. J Orthop Trauma 2014;28:S29.
- 19.** **Firth GB**. Letter to the Editor. Danger of limiting interventions for children with cerebral palsy to level one evidence. Dev Med Child Neurol. 2014 Apr;56(4):393. DOI 10.1111/dmcn.12392
- 20.** Lentle BC, Hammond I, **Firth GB**, Sutton RAL. Imaging of Osteoporotic Fractures on XR, CT, and MR. Curr Radiol Rep (2014) 2:32. DOI 10.1007/s40134-013-0032-x
- 21.** Jaremko JL, Siminoski K, **Firth GB** et al. Common normal variants of pediatric vertebral development that mimic fractures: a pictorial review from a national longitudinal bone health study. Pediatr Radiol. 2015 Apr;45(4):593-605. DOI 10.1007/s00247-014-3210-y
- 22.** **INORMUS Investigators.** International ORthopaedic MUlticentre Study (INORMUS) in Fracture Care: Protocol for a Large Prospective Observational Study. J Orthop Trauma 2015;29:S2–S6.

PUBLICATIONS (Continued)

23. Ntanjana T, Law T, **Firth GB**. Cryptococcal osteomyelitis in a child. *Southern African Journal of Infectious Diseases*. 2015;30(4):138–140. DOI 10.1080/23120053.2015.1107293
24. O'Brien M, Ramguthy Y, **Firth GB**. Femur fractures in children with severe CP. *SA Orthop J*. 2015;14(4):31-34. DOI 10.17159/2309-8309/2015/v14n4a3
25. Malagelada F, Mayet S, **Firth G**, Ramachandran M. The impact of the Ponseti treatment method on parents and caregivers of children with clubfoot: a comparison of two urban populations in Europe and Africa. *J Child Orthop*. 2016 Apr;10(2):101-7. DOI 10.1007/s11832-016-0719-7
26. Mehtar M, **Firth GB**. PFFD and acute osteomyelitis of the femur. *SA Orthop J*. 2016;15(2):53-56. DOI 10.17159/2309-8309/2016/v15n2a9
27. Street M, Ramguthy Y, **Firth GB**. Do Ponseti plasters delay gross motor milestones of South African children treated for idiopathic clubfeet? *SA Orthop J*. 2016;15(2):49-52. DOI 10.17159/2309-8309/2016/v15n2a8
28. Lisenda L, Simmons D, **Firth GB**, Ramguthy Y, Kebashni T, Robertson AJ. Vitamin D status in Blount disease. *J Pediatr Orthop*. 2016 Jul-Aug;36(5):e59-62. DOI 10.1097/BPO.0000000000000607
29. Street M, Ramguthy Y, Doedens L, **Firth GB**. Mortality Following Cytotoxic Snake Bite Envenomation in an HIV Positive Child. A Case Report. *Medicine (Baltimore)*. 2016 Jul;95(27):e4001. DOI 10.1097/MD.00000000000004001
30. Masquijo JJ, **Firth GB**, Sepúlveda D. Failure of tension band plating: a case series. *J Pediatr Orthop B*. 2016 Jul 8. DOI 1097/BPB.0000000000000367
31. Golan D., Donner Y., Mansi C., Jaremko J., Ramachandran M., **on behalf of CUDL** (2016) Fully Automating Graf's Method for DDH Diagnosis Using Deep Convolutional Neural Networks. In: Carneiro G. et al. (eds) *Deep Learning and Data Labeling for Medical Applications*. DLMIA 2016, LABELS 2016. Lecture Notes in Computer Science, vol 10008. Springer, Cham
32. Oduah GO, **Firth GB**, Thandrayen K, Pettifor J. Management of Osteogenesis Imperfecta at the Chris Hani Baragwanath Hospital. *SAOJ*, Winter, 16(2),2017. DOI 10.17159/2309-8309/2017/v16n2a1
33. **Firth GB**, Lescheid J, Camacho M et al. Extraplural osteoarticular multidrug-resistant tuberculosis in children. A case series. *S Afr Med J* 2017 Oct 31,107(11).983-986. DOI 10.7196/SAMJ.2017.v107i11.12577

PUBLICATIONS (Continued)

34. Stewart A, Biddulph G, **Firth GB**. The aetiology of acute traumatic occupational hand injuries seen at a South African state hospital. SA Orthop J 2017; Vol 16 No 4. DOI 10.17159/2309-8309/2017/v16n4a8
35. **Firth GB**, Robertson AJF. Treatment of distal radius metaphyseal fractures in children. SAOJ, 2017; Vol 16(4). DOI 10.17159/2309-8309/2017/v16n4a10
36. Naik T, **Firth GB**, Potterton J, Wilson KS, Humphries CR. A Comparison of the clinical presentation of HIV infected to uninfected children with spastic diplegia in South Africa. Vulnerable Children and Youth Studies, Jan 2018, DOI: 10.1080/17450128.2017.1417657.
37. **Firth GB**, Robertson AJ, Ramguthy Y, Ramachandran M, Schepers A. Prognostication in Developmental Dysplasia of the Hip Using the Ossific Nucleus Center Edge Angle. J Pediatr Orthop. 2018 May/Jun;38(5):260-265. DOI 10.1097/BPO.0000000000000871
38. Sprague S, McKay P, Li CS, et al on behalf of the **INORMUS Investigators**. International Orthopaedic Multicenter Study in Fracture Care: Coordinating a Large-Scale Multicenter Global Prospective Cohort Study. J Orthop Trauma 2018;32:S58–S63. DOI: 10.1097/BOT.0000000000001287.
39. Wood L, **Firth G**, Potterton J. Short-term outcomes of single event multilevel surgery for children with diplegia in a South African setting. SAOJ, Vol 17 No 2 (2018): p44-48. DOI 10.17159/2309-8309/2018/v17n2a8
40. **Firth GB**, Oetzmann von Sochaczewski C, Ramguthy Y, Khalfallah A. Necrotising fasciitis following a supracondylar fracture and an open radius fracture in a child. SAOJ, Vol 17 No 2 (2018): p49-53. DOI 10.17159/2309-8309/2018/v17n2a9
41. Tzatzairis T, **Firth G**, Parker L. Adolescent Lisfranc injury treated with TightRope™: A case report and review of literature. World J Orthop. 2019 Feb 18;10(2):115-122. doi: 10.5312/wjo.v10.i2.115. eCollection 2019 Feb 18.
42. Schroder A, Gerin A, **Firth GB**, Hoffmann KS, Grieve A, von Sochaczewski CO. A systematic review of necrotising fasciitis in children from its first description in 1930 to 2018. BMC Infect Dis. 2019 Apr 11;19(1):317. doi: 10.1186/s12879-019-3941-3. PMID: 30975101
43. Borges FK, Bhandari M, Patel A et al and **HIP ATTACK investigators**. Rationale and design of the HIP fracture Accelerated surgical TreatmEnt And Care track (HIP ATTACK) Trial: a protocol for an international randomised controlled trial evaluating early surgery for hip fracture patients. BMJ Open. 2019 May 1;9(4):e028537. doi: 10.1136/bmjopen-2018-028537.

PUBLICATIONS (Continued)

- 44.** Pouramin P; Li CS; Sprague S; Busse JW; Bhandari M; **INORMUS Investigators**. A multicenter observational study on the distribution of orthopaedic fracture types across 17 low- and middle-income countries, *OTA International*: September 2019 - Volume 2 - Issue 3 - p e026. doi: 10.1097/OI9.000000000000026.
- 45. HIP ATTACK Investigators**. Accelerated surgery versus standard care in hip fracture (HIP ATTACK): an international, randomised, controlled trial. *Lancet*. 2020 Feb 29;395(10225):698-708. doi: 10.1016/S0140-6736(20)30058-1.
- 46.** Pouramin P, Li CS, Busse JW, Sprague S, Devereaux PJ, Jagnoor J, Ivers R, Bhandari M; **INORMUS investigators**. Delays in hospital admissions in patients with fractures across 18 low-income and middle-income countries (INORMUS): a prospective observational study. *Lancet Glob Health*. 2020 May;8(5):e711-e720. doi: 10.1016/S2214-109X(20)30067-X.
- 47. Firth GB**; Foster M; Pieterse C; Ramguthy Y; Izu A; Bacarese-Hamilton J; Ramachandran M. Effect of seasonal variation on the peak presentation of slipped capital femoral epiphysis. A comparison of children in Johannesburg, South Africa and London, UK, *Journal of Pediatric Orthopaedics B*: May 2020 - Volume 29 - Issue 3 - p 268-274 doi: 10.1097/BPB.0000000000000689. PMID: 31688335
- 48. Firth GB**; Ngcakani A; Ramguthy Y; Izu A; Robertson A. The femoral deformity in Blount's disease: a comparative study of infantile, juvenile and adolescent Blount's disease, *Journal of Pediatric Orthopaedics B*: July 2020 - Volume 29 - Issue 4 - p 317-322. doi: 10.1097/BPB.0000000000000722.
- 49.** Du Plessis J; **Firth GB**; Robertson A. Assessment of the reliability and reproducibility of the Langenskiöld classification in Blount's disease, *Journal of Pediatric Orthopaedics B*: July 2020 - Volume 29 - Issue 4 - p 311-316. doi: 10.1097/BPB.0000000000000692.
- 50.** Tzatzairis T, **Firth G**, Loke WJ, Serlis A, Ramachandran M. 'Does compliance with BOAST guidelines matter for displaced supracondylar fractures in children?': the experience of a tertiary referral major trauma centre over a 3.5-year period. *J Pediatr Orthop B*. 2021 Mar 1;30(2):154-160. doi: 10.1097/BPB.0000000000000770. PMID: 32694430.
- 51.** Barrett MC; Manoukian D; Tzatzairis T; Segaren N; **Firth GB**; Ramachandran M. Hemiepiphysiodesis: When should it be considered a day-case procedure? *J Pediatr Orthop B*. 2021 Jan;30(1):48-51. doi: 10.1097/BPB.0000000000000779. PMID: 32694429

PUBLICATIONS (Continued)

52. Tzatzairis T, **Firth G**, Bijlsma P, Manoukian D, Maizen C, Ramachandran R. Radiation Exposure in The Treatment of Pediatric Supracondylar Humerus Fractures: Comparison of Two Fixation Methods. *The Open Orthopaedics Journal*, 2021, Volume 15 23. DOI: 10.2174/1874325002115010022.
53. Collins KC, Burdall O, Kassam J, **Firth G**, Perry D, Ramachandran M. Health-related quality of life and functional outcome measures for pediatric multiple injury: A systematic review and narrative synthesis. *J Trauma Acute Care Surg*. 2022 May 1;92(5):e92-e106. doi: 10.1097/TA.0000000000003457. Epub 2021 Nov 2. PMID: 34738999.
54. **Firth GB**, Peniston W, Ihediwa U, Bijlsma P, Walsh L, Ramachandran M. The effect of COVID-19 on children with congenital talipes equinovarus in a tertiary service in the United Kingdom. *J Pediatr Orthop B*. 2022 Jan 1;31(1):e101-e104. doi: 10.1097/BPB.0000000000000916. PMID: 34545852; PMCID: PMC8635077.
55. Van Greunen E, **Firth GB**. Recurrence in infantile tibia vara (Blount disease) after high tibia and fibula osteotomy. *J Pediatr Orthop B*. 2022 Mar 1;31(2):134-138. doi: 10.1097/BPB.0000000000000901. PMID: 34285162.
56. Ayub A, **Firth GB**, Green GL, Bijlsma P, Ramachandran M. Tibialis anterior tendon transfer using bone anchor for dynamic supination in congenital talipes equinovarus. *J Pediatr Orthop B*. 2022 Aug 12. doi: 10.1097/BPB.0000000000000997. Epub ahead of print. PMID: 35834789.
57. Borges FK, Devereaux PJ, HIP ATTACK-1 Investigators et al. Accelerated Surgery Versus Standard Care in Hip Fracture (HIP ATTACK-1): A Kidney Substudy of a Randomized Clinical Trial. *Am J Kidney Dis*. 2022 Nov;80(5):686-689. doi: 10.1053/j.ajkd.2022.01.431. Epub 2022 Mar 26. PMID: 35346742.
58. Hebda-Boon A, Tan XL, Tillmann R, Shortland AP, **Firth GB**, Morrissey D. The impact of instrumented gait analysis on decision-making in the interprofessional management of cerebral palsy: A scoping review. *Eur J Paediatr Neurol*. 2023 Jan;42:60-70. doi: 10.1016/j.ejpn.2022.11.007. Epub 2022 Dec 9. PMID: 36563467.
59. Jones NJ, Ayub A, Vaghela KR, DiMascio L, **Firth GB**, Williams D. Stabilization of Recurrent Elbow Instability in the Presence of Hyperlaxity in Children Using a Nonanatomic Soft Tissue Reconstruction. *Tech Hand Up Extrem Surg*. 2023 Jun 1;27(2):115-119. doi: 10.1097/BTH.0000000000000420. PMID: 37203413.
60. Sykes MC, Ahluwalia AK, Hay D, Dalrymple J, **Firth GB**. Acute musculoskeletal infection in children: assessment and management. *Br J Hosp Med (Lond)*. 2023 Jun 2;84(6):1-6. doi: 10.12968/hmed.2022.0546. Epub 2023 Jun 26. PMID: 37364871.

PUBLICATIONS (Continued)

61. Singh A, Bierrum W, Wormald J, Ramachandran M, **Firth G**, Eastwood D. Plate fixation versus flexible intramedullary nails for management of closed femoral shaft fractures in the pediatric population: A systematic review and meta-analysis of the adverse outcomes. *J Child Orthop*. 2023 Aug 28;17(5):442-452. doi: 10.1177/18632521231190713. PMID: 37799319; PMCID: PMC10549696.
62. Singh A, Bierrum W, Wormald J, Ramachandran M, **Firth G**, Eastwood D. Response to Letter to the Editor-Plate fixation versus flexible intramedullary nails for management of closed femoral shaft fractures in the paediatric population: A systematic review and meta-analysis of the adverse outcomes (*J Child Orthop* 2023,17(5),442-452). *J Child Orthop*. 2024 Sep 2;18(5):548-549. doi: 10.1177/18632521241264133. PMID: 39391576; PMCID: PMC11462983.
63. Jones NJ, Zarook E, Ayub A, Manoukian D, Maizen C, Bijlsma P, Ramachandran M, **Firth G**. Postoperative Immobilization Period for Pediatric Supracondylar Fractures: The Shorter the Better? *J Pediatr Orthop*. 2024 Apr 1;44(4):203-207. doi: 10.1097/BPO.0000000000002636. Epub 2024 Feb 8. PMID: 38329322.
64. Guerra-Farfan E, Borges FK, Hip Attack-1 Investigators et al. Mortality, perioperative complications and surgical timelines in hip fracture patients: Comparison of the Spanish with the non-Spanish Cohort of the HIP ATTACK-1 trial. *Injury*. 2024 Nov;55(11):111827. doi: 10.1016/j.injury.2024.111827. Epub 2024 Aug 20. PMID: 39217648.
65. Theologis T, Perry DC, Rombach I, Keene DJ, Marian IR, Andrew M, Barry C, Davis L, **Firth G**, Fletcher H, Fordham B, Gregory Osborne V, Gregory Osborne H, Katchburian L, O'Mahoney J, Parr JR, Rapson R, Ryan J, Er F, Stone M, Wood H, Hopewell S. Clinical effectiveness of a child-specific dynamic stretching programme, compared to usual care, for ambulant children with spastic cerebral palsy (SPELL trial): a parallel group randomized controlled trial. *Bone Jt Open*. 2025 May 1;6(5):506-516. doi: 10.1302/2633-1462.65.BJO-2024-0267. PMID: 40306688; PMCID: PMC12043370.
66. Hopewell S, Keene DJ, Marian I, Perry DC, Rombach I, Andrew M, Barry C, Davis L, **Firth G**, Fletcher H, Fordham B, Gregory Osborne V, Gregory Osborne H, Katchburian L, O'Mahoney J, Parr J, Rapson R, Ryan J, Saeedi E, Stone M, Wood H, Theologis T. Clinical effectiveness of an individually tailored strengthening programme, including progressive resistance exercises and advice, compared to usual care for ambulant adolescents with spastic cerebral palsy (ROBUST trial): a parallel group randomized controlled trial. *Bone Jt Open*. 2025 May 1;6(5):517-527. doi: 10.1302/2633-1462.65.BJO-2024-0268. PMID: 40306695; PMCID: PMC12043368.

PUBLICATIONS (Continued)

67. Nogaro MC, Hartshorn S, Brady M, Offiah A, Faust S, **Firth G**, Ma J, Dhiman P, O'Mahoney J, Davies L, Spowart C, Moscrop A, Young B, Tudur-Smith C, Collins G, Perry DC, Theologis T. Development of a multicentre cohort study to understand the role of MRI and ultrasound in the diagnosis of acute haematogenous bone and joint infection in children (the PIC Bone study) : a study protocol. *Bone Jt Open*. 2025 Jun 10;6(6):677-684. doi: 10.1302/2633-1462.66.BJO-2024-0277. PMID: 40490248; PMCID: PMC12148504.
68. **Firth G**, Masquijo J, Arkader A, Allende Nores V, Ramachandran M. Comparative Analysis of 3 Anterior Tibialis Tendon Transfer Techniques in Idiopathic Clubfoot: Traditional Pull-through Button Technique, Pull-through Interference Screw Technique, and Anchor Technique. *J Pediatr Orthop*. 2025 Jul 21. doi: 10.1097/BPO.0000000000003041. Epub ahead of print. PMID: 40700431.
69. Calleja J, Muscat K, Calleja J, **Firth G**. (September 13, 2025) Artificial Intelligence in Paediatric and Adolescent Fracture Detection: A Systematic Review and Meta-Analysis. *Cureus* 17(9): e92199. doi:10.7759/cureus.92199

INTERNATIONAL PRESENTATIONS

1. Improving standards of long leg alignment radiographs at a UK District General Hospital. A Quality Improvement Project. Sep 2025. **SAOA Annual Conference, Pretoria, South Africa**. SAOA. N Bishop, G Green, G Firth, J Dartnell, C Tang, M Katchburian.
2. Correlating clinical outcomes of Ponseti treated CTEV patients with birthweight & incidence of DDH at a UK District General Hospital. Sep 2025. **SAOA Annual Conference, Pretoria, South Africa**. SAOA. N Bishop, J Quilter, J Cripps, G Green, G Firth, J Dartnell, C Tang, M Katchburian.
3. Correlation between early radiological findings and medium-term clinical outcome of a cohort of Ponseti treated CTEV patients at a UK District General Hospital. Sep 2025. **SAOA Annual Conference, Pretoria, South Africa**. SAOA. N Bishop, J Quilter, J Cripps, G Green, G Firth, J Dartnell, C Tang, M Katchburian.
4. Medium-term outcomes of reconstructive hip surgery in a cohort of South African children with cerebral palsy. **AusACPDM, Melbourne, Australia, March 2022**. Tink SCJ, Bischof FM, Robertson AJF, Firth GB.
5. The role of allied health-workers and benefits for expanding clubfoot treatment. **STEPS Webinar Symposium, Dec 2021**. Denise Watson-Tann, Anria Horn, Kobus Smit, Shafique Pirani, Gregory Firth.
6. **39th Annual Congress of the Orthopaedic and Traumatology Association of Macedonia and Thrace, May 2021**. Normal angular variants in children. Variation in the coronal plane - genu varum and genu valgum. GB Firth.

INTERNATIONAL PRESENTATIONS

7. **39th Annual Congress of the Orthopaedic and Traumatology Association of Macedonia and Thrace, May 2021.** An update on osteogenesis imperfecta in children. [GB Firth](#).
8. **Democritus University of Thrace Teaching Session.** Clubfoot, Perthes and paediatric trauma updates and whats important to know in 2021. [GB Firth](#).
9. **South African Orthopaedic Association (SAOA) Annual Congress, JJ Craig Eponymous Lecture, Sep 2019.** Big data in paediatric orthopaedics. What happened to the prospective randomised controlled trial? [GB Firth](#).
10. **EPOSNA, Barcelona, Spain, May 2017.** Poster Presentation. Necrotizing fasciitis after open distal radius fracture in 10-year-old child. (National Associations affiliated to POSNA section). [GB Firth](#), A Khalfallah, Y Ramguthy.
11. **EPOSNA, Barcelona, Spain, May 2017.** The lateral distal femoral angle in Blount's disease. [GB Firth](#), A Ngcakani, AJF Robertson.
12. **Clubfoot Train the Trainers Course, Addis Ababa, Ethiopia, July 2016.** [GB Firth](#).
13. **Combined Orthopaedic Meeting (COMOC), Cape Town, South Africa, April 2016.** Effect of a Polyvalent Pneumococcal Vaccine on the Epidemiology of Acute Osteo-articular Sepsis in a Setting with a High Prevalence of Paediatric HIV Infections. [GB Firth](#), J Du Plessis, J Schutte, M Camacho, [Y Ramguthy](#), [DY Simmons](#), [AJF Robertson](#).
14. **Combined Orthopaedic Meeting (COMOC), Cape Town, South Africa, April 2016.** Feasibility of a Ponseti Tenotomy in the Outpatient Setting. [DY Simmons](#), [AJF Robertson](#), [GB Firth](#), [Y Ramguthy](#).
15. **Combined Orthopaedic Meeting (COMOC), Cape Town, South Africa, April 2016.** Single-event multilevel surgery (SEMLS) in walking children with spastic diplegia in South Africa: A Pilot study comparing outcome in children with CP and HIV encephalopathy. [GB Firth](#), L Wood, [Y Ramguthy](#), [J Potterton](#).
16. **Combined Orthopaedic Meeting (COMOC), Cape Town, South Africa, April 2016.** Epiphyseal screw migration in tension-band plates. A case series. [GB Firth](#), [D Sepúlveda](#), [J Masquijo](#).
17. **Combined Orthopaedic Meeting (COMOC), Cape Town, South Africa, April 2016.** Osteosarcoma Outcomes in Johannesburg. A 26-year Multicentre Review. [Nasar A](#), [Geel JA](#), [Ngcana TVZ](#), [Eyal KC](#), [Linda Z](#), [Kyte R](#), [Ramguthy Y](#), [Lisenda L](#), [Lukhele M](#), [Wainwright RD](#), [Firth GB](#).

INTERNATIONAL PRESENTATIONS

- 18. Combined Orthopaedic Meeting (COMOC), Cape Town, South Africa, April 2016.**
Paediatric Orthopaedic Challenges in South Africa. GB Firth.
- 19. Combined Orthopaedic Meeting (COMOC), Cape Town, South Africa, April 2016.**
Electronic Poster Presentation. Necrotizing fasciitis after open distal radius fracture in 10-year-old child. (Second prize). A Khalfallah, Y Ramguthy, GB Firth.
- 20. ABC Travelling Fellowship, USA, May 2014.** The History of Chris Hani Baragwanath Academic Hospital and Orthopaedics in South Africa. (Given multiple times)
- 21. ABC Travelling Fellowship, USA, May 2014.** Congenital Talipes Equinovarus at Chris Hani Baragwanath Academic Hospital. (Given multiple times)
- 22. ABC Travelling Fellowship, USA, May 2014.** The Rules of Braaing and Other South African Pastimes. (Given multiple times)
- 23. ABC Travelling Fellowship, USA, May 2014.** A Little Equinus is Better than Calcaneus. Multilevel Surgery for Equinus Gait in Children with Spastic Diplegia. Medium Term Clinical Follow Up with Gait Analysis. (Given multiple times)
- 24. 8th World Congress of WSPID, Cape Town, South Africa, 19-22 November 2013.**
Changing epidemiology of septic arthritis. The positive effect of pneumococcal conjugant vaccine on childhood osteo-articular infections. GB Firth, M Camacho, N Beylis, M Groome, S Madhi. (Poster presentation).
- 25. 8th World Congress of WSPID, Cape Town, South Africa, 19-22 November 2013.**
Emergence of multi drug resistant tuberculosis osteo-articular sepsis in South African children. GB Firth, M Camacho, N Beylis, M Groome, S Madhi.
- 26. Clubfoot Ponseti Introductory Course, Gaborone, Botswana, June 2013.** Multiple talks on Ponseti treatment of clubfoot sponsored by STEPS.
- 27. AusACPDM Annual Conference, Brisbane, Australia, May 2012.** Multilevel Surgery for Equinus Gait in Children with Spastic Diplegia. Medium Term Follow up with Gait Analysis. GB Firth, E Passmore, M Sangeux, P Thomason, J Rodda, S Donath, P Selber, HK Graham.
- 28. International Pediatric Orthopaedic Symposium (IPOS), Orlando, USA, Dec 2010.**
Poster presentation. Epidemiology of acute osteo-articular sepsis in a setting with a high prevalence of pediatric HIV infection. Robertson AJF, Firth GB, Truda C, Ramdass DA, Groome M, Madhi S.

INTERNATIONAL PRESENTATIONS

29. Uhtoff Visiting Professor Day, University of Ottawa, Canada, April 2010.

Trans-tibial Ertl Amputation for Children & Adolescents with Limb Deficiencies. GB Firth, J Masquijo, K Kontio.

30. East & Central SAOA (ECSAOA) Annual Congress, Pemba, Mozambique, Aug 2007.

Treatment of Lunate and Perilunate Dislocations with Combined Surgical Approach. GB Firth, AR Aden.

NATIONAL PRESENTATIONS

1. **British Orthopaedic Association Congress.** BESS Session. Post traumatic shoulder instability in children. September 2024.
2. **British Orthopaedic Association Congress.** Poster. Sustainability in paediatric orthopaedic theatre. Gemma Green, Anthony Yiu, Matthew Baker, Chun Tang, Jo Dartnell, Marcos Katchburian, Gregory Firth. Birmingham. September 2023.
3. **British Orthopaedic Association Congress.** Recurrent Shoulder Instability in Children. Birmingham. September 2023.
4. **Paediatric Trauma Symposium.** Ankle fractures & Elbow Injuries. Brighton. June 2023. GB Firth.
5. **EPOSNA.** Comparative analysis of three anterior tibialis anterior tendon transfer techniques. May 2024. Washington DC. Gregory Firth; Javier Masquijo; Alexandre Arkader; David Kell; Victoria Allende Nores; Manoj Ramachandran.
6. **Paediatric Trauma Symposium.** Ankle fractures. Brighton. June 2023. GB Firth.
7. **BSCOS March 2022.** Upper Limb Trauma Gone Wrong. Symposium with Mr G Firth, Mr David Rowland and Mr Anish Sanghrajka.
8. **The Royal Society of Medicine Young Adult Hip Webinar, Oct 2021.** Perthes Disease. GB Firth.
9. **The Royal Society of Medicine Young Adult Hip Webinar, Oct 2021.** The Neurological Hip. GB Firth
10. **South African Orthopaedic Association (SAOA) Annual Congress, ICL, Pretoria, Sep 2018.** The hip in cerebral palsy. GB Firth.
10. **South African Orthopaedic Association (SAOA) Annual Congress, Pretoria, Sep 2018.**
Assessment of elbow functional outcome after closed reduction and percutaneous pinning of displaced supracondylar fractures in children. An update. AB Rutarama, Y Ramguthy, GB Firth.
11. **Osteogenesis Imperfecta Mini Symposium, Chris Hani Baragwanath Academic Hospital, March 2018.** Surgical Approach to Osteogenesis Imperfecta. GB Firth.
12. **South African Society for Surgeons in Training. Johannesburg. 18.11.2017.** The Growth Plate and Paediatric Polytrauma. GB Firth.
13. **CPotential. Malumulele Onwards Parent Conference, Oct 2017.** Expert Panel discussion on orthopaedic surgery in children with CP.

NATIONAL PRESENTATIONS (Continued)

- 14. South African Orthopaedic Association (SAOA) Annual Congress, Port Elizabeth, Sep 2017.** Profile of Patients with Blount's disease at an Academic Hospital. M. Mehtar, Y. Ramguthy, G.B Firth.
- 15. South African Orthopaedic Association (SAOA) Annual Congress, Port Elizabeth, Sep 2017.** Recurrence of Deformity in Blount's Disease after Surgical Correction. E van Greunen, GB Firth.
- 16. South African Orthopaedic Association (SAOA) Annual Congress, Port Elizabeth, Sep 2017.** Elbow functional outcome after closed reduction and percutaneous pinning of displaced supracondylar humerus fractures in children. AB Rutarama, Y Ramguthy, GB Firth.
- 17. South African Orthopaedic Association (SAOA) Annual Congress, Port Elizabeth, Sep 2017.** Introduction to Protocol and How to get your Research through Ethics. GB Firth.
- 18. SAPOS Instructional Course Lectures May 2017.** Management of the sequelae of septic arthritis. GB Firth.
- 19. SAPOS Instructional Course Lectures May 2017.** Musculoskeletal manifestations of HIV infection in children. GB Firth.
- 20. Clubfoot Ponseti Introductory Course, Worcester, June 2016.** Multiple talks on Ponseti treatment of clubfoot sponsored by STEPS. The importance of clubfoot data. Introduction to the Ponseti technique.
- 21. South African Radiology Congress 2015.** Paper Poster Presentation. Spinal segmental dysgenesis vs caudal regression syndrome. N Abdurahman, N Mahomed, G Firth, J Naidoo.
- 22. Regional Clinical Presentation, NDT Bobath Physiotherapy Course Johannesburg Oct 2015.** Orthopaedic Management in Cerebral Palsy
- 23. South African Orthopaedic Association (SAOA) Annual Congress, Drakensberg, Sep 2015.** Clubfoot demographics at a South African Clubfoot Clinic. CM Keen, Y Ramguthy, GB Firth.
- 24. South African Orthopaedic Association (SAOA) Annual Congress, Drakensberg, Sep**

2015. Clubfoot recurrence at a Ponseti clinic. CM Keen, Y Ramguthy, GB Firth.

NATIONAL PRESENTATIONS (Continued)

- 25. South African Orthopaedic Association (SAOA) Annual Congress, Drakensberg, Sep 2015.** Single-event multilevel surgery (SEMLS) in walking children with spastic diplegia in South Africa: A Pilot study comparing outcome in children with CP and HIV encephalopathy. L Wood, Y Ramguthy, GB Firth, J Potterton.
- 26. South African Orthopaedic Association (SAOA) Annual Congress, Drakensberg, Sep 2015.** Femoral deformity in Blount's disease. Ngcakani A, Firth GB, Robertson A.
- 27. South African Orthopaedic Association (SAOA) Annual Congress, Drakensberg, Sep 2015.** Neglected osteosarcoma in an 8 year old. Allie DG, Ramguthy Y, Firth GB.
- 28. South African Orthopaedic Association (SAOA) Annual Congress, Drakensberg, Sep 2015.** Nail patella syndrome and congenital vertical talus. Mayet S, Ramguthy Y, Firth GB.
- 29. Clubfoot Ponseti Introductory Course, July 2015.** Instructor. GB Firth. Multiple talks on Ponseti treatment of clubfoot sponsored by STEPS.
- 30. AO Paediatric Trauma Course. Johannesburg, Oct 2014.** Instructor. GB Firth. Bone and Joint Sepsis. Monteggia and Galeazzi fractures in children. Paediatric femoral fractures. Distal radius fractures in children.
- 31. National Osteoporosis Foundation of South Africa. Johannesburg, Oct 2014.** Surgical management of osteogenesis imperfecta. GB Firth.
- 32. South African Orthopaedic Association (SAOA) Annual Congress. Cape Town, Sep 2014.** Poster Presentation. Anterior elbow dislocation in a child. GB Firth.
- 33. South African Orthopaedic Association (SAOA) Annual Congress. Cape Town, Sep 2014.** Vitamin D status in Blount's disease. L Lisenda, D Simmons, GB Firth et al.
- 34. South African Paediatric Orthopaedic Society ICL Johannesburg April 2014.** Paediatric Hip Conditions. Transient Synovitis.
- 35. AO Basic Fracture Course. Johannesburg March 2014.** Instructor. Reduction techniques of diaphyseal fractures. Treatment algorithms for the polytrauma patient.
- 36. Regional Clinical Presentation, NDT Bobath Physiotherapy Course Johannesburg Feb 2014.** Orthopaedic Management in Cerebral Palsy

- 37. South African Orthopaedic Association (SAOA) Annual Congress, Instructional Course Lecture, Sun City, Sep 2013.** Should any or all distal radius fractures be pinned? GB Firth.

NATIONAL PRESENTATIONS (Continued)

- 38. South African Orthopaedic Association (SAOA) Annual Congress, Sun City, Sep 2013.** The Rise of Multi-Drug Resistant Tuberculous Osteo-Articular Infections in South African Children. GB Firth, M Camacho, N Beylis, M Groome, AJF Robertson, S Madhi.
- 39. South African Orthopaedic Association (SAOA) Annual Congress, Sun City, Sep 2013.** The clinical presentation and management of South African children with Osteogenesis Imperfecta. G Oduah, GB Firth, K Thandrayen.
- 40. Regional Clinical Presentation, NDT Bobath Physiotherapy Course Johannesburg April 2013.** Orthopaedic Management in Cerebral Palsy
- 41. Radiology Society of South Africa Congress 2012.** Spinal Segmental Dysgenesis vs Caudal Regression Syndrome. (Poster presentation). N Abdurahman, N Mahomed, G Firth, J Naidoo.
- 42. South African Orthopaedic Association (SAOA) Annual Congress, Durban, Sep 2012.** Multilevel Surgery for Equinus Gait in Children with Spastic Diplegia. Medium Term Follow up with Gait Analysis. GB Firth, E Passmore, M Sangeux, P Thomason, J Rodda, S Donath, P Selber, HK Graham.
- 43. South African Orthopaedic Association (SAOA) Annual Congress, Durban, Sep 2012.** Lengthening of the Gastrosoleus: An Anatomical and Biomechanical Study in Human Cadavers. GB Firth, M McMullan, T Chin, F Ma, P Selber, N Eizenberg, R Wolfe, HK Graham.
- 44. Regional Clinical Presentation, NDT Bobath Physiotherapy Course Johannesburg Aug 2012.** Orthopaedic Management in Cerebral Palsy
- 45. Annual Cerebral Palsy National Conference, Johannesburg, May 2012.** Hip Surveillance in Cerebral Palsy. A Possible Reality in South Africa? GB Firth.
- 46. South African Paediatric Orthopaedic Society Instructional Course, Stellenbosch, May 2012.** The Hindfoot Mechanics of Clubfoot. GB Firth.
- 47. South African Neurodevelopmental Therapy Association and the Paediatric Neurology and Development Association of Southern Africa Workshop, Bloemfontein, Oct 2011.** The Management of Hemiplegic Cerebral Palsy: An Update with Experience from the Royal Children's Hospital, Melbourne. GB Firth.

NATIONAL PRESENTATIONS (Continued)

- 48. South African Orthopaedic Association (SAOA) Annual Congress, Sun City, Sep 2011.** The Contralateral Hip in SCFE: Prophylactic Pinning Complicated by a Subtrochanteric Fracture. A Case Series and Review of the Literature (E-Poster presentation). F Ukunda, GB Firth, Y Ramguthy, AJF Robertson.
- 49. South African Orthopaedic Association (SAOA) Annual Congress, Sun City, Sep 2011.** PFFD or DDH? (E-Poster presentation). M Mehtar, Y Ramguthy, GB Firth.
- 50. South African Orthopaedic Association (SAOA) Annual Congress, Sun City, Sep 2011.** Trans-tibial Ertl Amputation for Children & Adolescents with Limb Deficiencies. GB Firth, J Masquijo, K Kontio.
- 51. South African Orthopaedic Association (SAOA) Annual Congress, Sun City, Sep 2011.** Non-Contiguous Spinal Injuries in Children. A Fifteen Year Review. GB Firth, SP Kingwell, P Moroz.
- 52. South African Orthopaedic Association (SAOA) Annual Congress, Drakensburg, Sep 2009.** Early Results of the Ponseti Technique for a Club Foot Clinic in South Africa. GB Firth, G Schnier, M Eltringham.
- 53. South African Orthopaedic Association (SAOA) Annual Congress, Drakensburg, Sep 2009.** The Impact of HIV on Osteo-Articular Infections in Children. GB Firth, Y Ramguthy, AJF Robertson, M Groome, S Madhi.
- 54. South African Orthopaedic Association (SAOA) Annual Congress, Drakensburg, Sep 2009.** Traumatic Dislocations of the Hip in Children (Poster Presentation). T Mazibuko, Y Ramguthy, GB Firth.
- 55. South African Orthopaedic Association (SAOA) Annual Congress, Cape Town, Sep 2008.** Chondroblastoma – Use of Cement (Poster Presentation). GB Firth, R Kyte.
- 56. Annual Johnson and Johnson Registrars Congress, Stellenbosch, Feb 2008.** Slipped Capital Femoral Epiphysis – Overview of Management and Controversies. GB Firth.
- 57. SAOA Annual Congress, Johannesburg, Sep 2007.** A New Method to Predict the Outcome in Developmental Dysplasia of the Hip. GB Firth, AJF Robertson, A Schepers.
- 58. SAOA Annual Congress, Durban, Sep 2006.** Avascular Necrosis in DDH – Causative Factors and Outcomes. GB Firth, AJF Robertson, A Schepers.

NATIONAL PRESENTATIONS (Continued)

- 59. South African Society for Surgery of the Hand (SASSH) Annual Congress, Durban, Sep 2006.** Treatment of Lunate and Perilunate Dislocations with Combined Surgical Approach. GB Firth, AR Aden.
- 60. SAOA Annual Congress, Port Elizabeth, Sep 2005.** Temporary External Fixators – A Provincial Experience. GB Firth, M Radjiowski, M Lukhele.
- 61. South African ICU Congress, Sun City, Sep 2003.** Acute Pancreatitis – Local Clinical Audit (Poster Presentation). GB Firth, H Radford.

REGIONAL PRESENTATIONS

1. HCA GP Update. Red Flags in Paediatric Orthopaedics. 3 October 2025.
2. Kent Surrey Sussex Deanery (KSS) Registrar Teaching. Paediatric Orthopaedic Surgical skills Course. 10 September 2025.
3. Brighton Paediatric Trauma Course. Paediatric Tibia and Ankle Fractures. 12 June 2025.
4. HCA GP Update. Monteggia Fractures in Children. 30 April 2025.
5. Home House. Portman Square. HCA GP Forum. Update on DDH. 25 February 2025.
6. Edenbridge Sports Centre. Patella Instability. 3 October 2024.
7. HCA GP & Physio Symposium. Red Flags AHPs should be aware of in Paediatric Orthopaedics. 13 July 2024.
8. KSS Registrar Teaching. Cavus Foot. 17 June 2024.
9. Kent Surrey Sussex Deanery (KSS) Registrar Teaching. Metabolic Bone Disease. Polytrauma in Paediatric Orthopaedics. 9 April 2024.
10. Webex GP Talk. Common Paediatric Orthopaedic Conditions. 27 February 2024.
11. STPN Supracondylar fractures in children. Surgical technique webinar. GB Firth and J Dartnell. 21 June 2023.
12. HCA GP Symposium. Red Flags in Paediatric Orthopaedics. 10 June 2023. Knoke.
13. HCA GP Webinar. Common paediatric fractures seen in GP practice. 21 January 2023.
14. Stanmore Orthopaedic Teaching Day. 5 July 2022. Elbow injuries.
15. Stanmore Orthopaedic Teaching Day. 5 July 2022. Clavicle, shoulder and humerus injuries.
16. University of the Witwatersrand. Paediatric Department, 29 July 2017. Surgery for Rickets and Osteogenesis Imperfecta.
17. Regional Clinical Presentation, Gauteng NDT Physiotherapy Group Pretoria, 19 Oct 2016. Use of Botulinum toxin in children with cerebral palsy.
18. Regional Clinical Presentation, North Gauteng Physiotherapy Course Pretoria April 2016. Orthopaedic approach to paediatric foot conditions.

19. Intermediate Preparation Lecture Series, Johannesburg, 27 Feb 2016. Paediatric Orthopaedic Conditions.
20. Regional Clinical Presentation, Gauteng NDT Physiotherapy Group Johannesburg Aug 2015. Single event multi-level surgery for Cerebral Palsy
21. GP Refresher Course, May 2015. Hip and Knee pain in children.
22. Regional Clinical Presentation, Oct 2012. Hip Surveillance and Management of the Hip in Cerebral Palsy.
23. Regional Clinical Presentation, Johannesburg, Oct 2007. Review of Lumbar Disc Disease – Herniation and Subsequent Degeneration.
24. Regional Clinical Presentation, May 2007. Middle Third Clavicle Fractures – a Review.
25. Regional Clinical Presentation, Johannesburg, July 2007. Total hip arthroplasty in the young patient.
26. Regional Clinical Presentation, Johannesburg, Nov 2006. Fibrous Dysplasia – an Overview and Local Experience.
27. Regional Clinical Presentation, Johannesburg, March 2006. Patello-femoral Joint Instability – Recurrent Patella Dislocation.

LOCAL / DEPARTMENTAL PRESENTATIONS

1. **QMUL MSC Tutorial, 24 March 2022.** Trauma in Paediatric Orthopaedics.
2. **Paediatric Department at the Royal London Hospital. Academic Talk, 27 Jan 2022.** Common paediatric orthopaedic conditions.
3. **Registrar Teaching. Bart's Health Trust. Royal London Hospital. London. Academic Day, 14 Sep 2021.** Deformity & leg length discrepancy.
4. **Registrar Teaching. Bart's Health Trust. Royal London Hospital. London. Academic Day, 14 Sep 2021.** Osteogenesis imperfecta.
5. **Registrar Teaching. Bart's Health Trust. Royal London Hospital. London. Academic Day, 22 June 2021.** Monteggia fractures.
6. **Registrar Teaching. Bart's Health Trust. Royal London Hospital. London. Academic Day, 22 June 2021.** Femur fractures.

7. **Registrar Teaching. Bart's Health Trust. Royal London Hospital. London. Academic Day, 11 Sep 2018.** Osteo-articular infections in children including the role of Tuberculosis and HIV.
8. **Registrar Teaching. Bart's Health Trust. Royal London Hospital. London. Academic Day, 29 May 2018.** Osteogenesis Imperfecta. An Overview and Case Study Discussion.
9. **University of the Witwatersrand (Wits), Orthopaedic Department, Johannesburg, 14 March 2018.** Mentorship, Research output and paediatric case discussions.
10. **University of the Witwatersrand (Wits), Paediatric Department and Infectious Diseases Department. Johannesburg, 12 March 2018.** Osteo-articular Infections in Children. An Orthopaedic Perspective.
11. **Chris Hani Baragwanath Academic Hospital Paediatric Departmental Lecture, 2 Feb 2018.** Congenital Talipes Equinovarus – The CHBAH Experience.
12. **Chris Hani Baragwanath Academic Hospital Physiotherapy Departmental Lecture, 7 August 2017.** Septic arthritis and osteomyelitis.
13. **Chris Hani Baragwanath Academic Hospital Paediatric Departmental Lecture, 10 April 2017.** Paediatric orthopaedic conditions.

LOCAL / DEPARTMENTAL PRESENTATIONS (Continued)

14. **Chris Hani Baragwanath Academic Hospital Physiotherapy Departmental Lecture, 10 April 2017.** Paediatric orthopaedic conditions.
15. **University of the Witwatersrand (Wits) Allied Health Sciences. Johannesburg, 17 Oct 2016.** Paediatric Orthopaedics.
16. **Chris Hani Baragwanath Academic Hospital Physiotherapy Departmental Lecture, 6 September 2016.** Early diagnosis of developmental hip dysplasia.
17. **University of the Witwatersrand (Wits) Allied Health Sciences, 17 March 2016.** Cerebral Palsy and Hip Surveillance.
18. **University of the Witwatersrand (Wits) Orthopaedic Registrar Symposium, 13 Feb 2016.** Cerebral Palsy in Orthopaedic Surgery.
19. **University of the Witwatersrand (Wits) Allied Health Sciences. Johannesburg, 19 Oct 2015.** Paediatric Orthopaedics.

- 20. University of the Witwatersrand (Wits) Health Sciences Research Day. Johannesburg, Oct 2015. (Poster)** Demographics of Clubfoot at CHBAH. C Keen, Y Ramguthy, GB Firth.
- 21. Wits Paediatric Department. CHBAH. Johannesburg, Oct 2014.** Developmental Dysplasia of the Hip.
- 22. Wits Allied Health Sciences. Johannesburg, Oct 2014.** Paediatric Orthopaedics.
- 23. Wits Research Day. Johannesburg, Sep 2014.** TB Osteo-articular Arthritis (Poster Presentation)

CONTINUING PROFESSIONAL DEVELOPMENT (CPD) (LAST EIGHT YEARS)

HIVE Lavender medical Foot Cadaver Lab. Letchworth. 12.09.2025.

SA Orthopaedic Association Annual Congress. (2-5.09.2025). Pretoria, SA. 27 Points.

Precise Users Meeting. Stanhill Court Hotel. UK. (23.05.2025).

Newclip Course and Cadaver Lab. Nantes. France. (2-4.04.2025).

1. Cardiff University Bond Solon (CUBS) Medicolegal Course. Online. (15.10.2024, January 2025)
2. British Orthopaedic Association (BOA) Annual Congress Birmingham (17-20.09.2024)
3. EPOSNA Congress (European and Pediatric Orthopaedic Society of North America) Combined Congress. Washington DC, USA. (8-11.05.2024).
4. BSCOS Annual Congress. Southampton, UK (9-10.03.2023)
5. British Orthopaedic Association Annual Congress Birmingham (19-21.09.2022)
6. Orthofix Masterclass in Deformity Correction,(Precice nail and OrthoHex),Verona (28-29.04.2022)
7. European Paediatric Orthopaedic Society (EPOS) Annual Congress; Copenhagen, Denmark (6-9.04.2022).
8. British Society for Children's Orthopaedic Surgery (BSCOS) Annual Congress; Lingfield, UK (10-11.03.2022).
9. British Orthopaedic Association Annual Congress Aberdeen (21-23.09.2021)
10. British Society for Children's Orthopaedic Surgery (BSCOS). Research Meeting (11.11.2020)

11. Fractured Ankle Management Evaluation (FAME). Closed contact casting training (08.10.2019). London, UK. 1 Point.
12. Good clinical practice course (09.04.2019). London, UK. (NHS, NIHR). 4 Points.
13. Advanced Trauma Life Support (ATLS) (3-4.04.2019). Basildon, UK. (RCS). 12 Points.
14. Train the Trainers (7-8.03.2019). London, UK. (RCS). 12 Points.
15. Critical appraisal and research methods course (01.03.2019). London, UK. 5 Points.
16. NOTTS (Non-Technical Skills for Surgeons) (05.02.2019). London, UK.
17. Safeguarding Level Three. Whipps Cross Hospital (21.01.2019). London, UK.
18. Oxford Medical Essentials of Medical Leadership & Management Course (14.01.2019). London, UK. 6 Points.
19. E-Learning. Medical ethics. Ethics in the healthcare environment. (16.11.2018). 3 Points.
20. British society of surgery for children with cerebral palsy annual congress. (19.11.2018). Sheffield, UK.
21. Percival Pott Club 46th annual scientific meeting. (09.11.2018). London, UK. 6 Points.
22. Professional development for medical trainers & governance structure for medical education. RLH, Bart's Health Trust. (02.11.2018). London, UK. 6 Points.
23. SA Orthopaedic Association Annual Congress. (3-6.09.2018) Pretoria, SA. 22 Points.
24. RLHOTS 11th annual scientific meeting. (06.07.2018). London, UK. 6 Points.
25. Graf Hip Ultrasound Course. (29-30.06.2018). Cardiff, Wales. 13 Points.
26. Osteogenesis Imperfecta Mini Symposium. (22.03.2018). Johannesburg, SA.
27. Pelvic fracture fixation cadaver course. (28-29.11.2018). Stellenbosch, SA. 9 Points.
28. Elaine Owen Gait & Orthotics Course. (26-28.10.2018). Johannesburg, SA. 21 Points.
29. SA Orthopaedic Association Annual Congress. (4-7.09.2017). Port Elizabeth, SA. 27 Points.
30. SA Paediatric Orthopaedic Society ICL (Osteo-articular sepsis). (12-13.05.2017). Durban, SA.
31. EPOSNA (EPOS and POSNA congress). (3-6.05.2017). Barcelona, Spain. 25 Points.
32. Ponseti Train the Trainers Course. (25-29.07.2016). Addis Ababa, Ethiopia
33. Good Clinical Practise Refresher Course, Wits Health – Johannesburg, SA
34. Worcester Ponseti Course (Instructor). (10-11.06.2016). Cape Town, SA.

CONFERENCES / COURSES ATTENDED

1. HIVE Lavender medical Foot Cadaver Lab. Letchworth. 12.09.2025.
2. SA Orthopaedic Association Annual Congress. (2-5.09.2025). Pretoria, SA. 27 Points.
3. Precise Users Meeting. Stanhill Court Hotel. UK. (23.05.2025).
4. Newclip Course and Cadaver Lab. Nantes. France. (2-4.04.2025).
5. BSCOS Annual Congress. Brighton. (13-14.03.2025).
6. Cardiff University Bond Solon (CUBS) Medicolegal Course. Online. (15.10.2024, Jan 2025)
7. Fitbone Users Meeting. Verona. 6-8 Nov 2024.
8. British Orthopaedic Association (BOA) Annual Congress Birmingham (17-20.09.2024)
9. EPOSNA Congress (European and Pediatric Orthopaedic Society of North America) Combined Congress. Washington DC, USA. (8-11.05.2024).
10. BSCOS Annual Congress. Southampton, UK (9-10.03.2023)
11. British Orthopaedic Association Annual Congress Birmingham (19-21.09.2022)
12. April 2022 - Orthofix Masterclass in Deformity Correction, (Precise nail and OrthoHex), Verona

13. April 2022 - European Paediatric Orthopaedic Society (EPOS) Annual Congress; Copenhagen, Denmark
14. March 2022 – British Society for Children’s Orthopaedic Surgery (BSCOS) Annual Congress; Lingfield, UK
15. Sep 2021 - British Orthopaedic Association Annual Congress Aberdeen, UK
16. Nov 2020 - British Society for Children’s Orthopaedic Surgery (BSCOS). Research Meeting
17. Sep 2019 - South African Orthopaedic Association Annual Congress – Durban, SA
18. June 2019 – The Bone & Joint Journal, Reviewers Course, London, UK
19. April 2019 – Good clinical practice course – London, UK
20. April 2019 - Advanced Trauma Life Support (ATLS) - Basildon, UK
21. March 2019 - Train the Trainers (Royal College of Surgeons) - London, UK
22. March 2019 – Critical appraisal and research methods course, London, UK
23. Feb 2019 - NOTTS (Non-Technical Skills for Surgeons) - London, UK
24. Jan 2019 – Safeguarding Level Three – Whipps Cross Hospital, London, UK
25. Jan 2019 - Oxford Medical Essentials of Medical Leadership & Management Course – London, UK
26. Nov 2018 - E-Learning. Medical ethics. Ethics in the healthcare environment.
27. Nov 2018 – British society of surgery for children with cerebral palsy annual congress (Chairman Mr John Cashman) – Sheffield, UK
28. Nov 2018 – Percival Pott Club 46th annual scientific meeting – London, UK
29. Oct 2018 – Professional development for medical trainers & governance structure for medical education (Rick Woodward) – RLH, Bart’s Health Trust, London, UK
30. Sep 2018 - South African Orthopaedic Association Annual Congress – Pretoria, SA
31. July 2018 – RLHOTS 11th annual scientific meeting – London, UK
32. June 2018 - Graf Hip Ultrasound Course - Cardiff, Wales
33. March 2018 - Osteogenesis Imperfecta Mini Symposium – Johannesburg, SA
34. Nov 2017 – Pelvic fracture fixation cadaver course – Stellenbosch, SA
35. Oct 2017 - Elaine Owen Gait Course – Johannesburg, SA
36. Sep 2017 - SA Orthopaedic Association Annual Congress - Port Elizabeth, SA
37. May 2017 - SA Paediatric Orthopaedic Society ICL (Osteo-articular sepsis) - Durban, SA
38. May 2017 – EPOSNA (Combined EPOS and POSNA annual congress) - Barcelona, Spain
39. July 2016 - Ponseti Train the Trainers Course - Addis Ababa, Ethiopia
40. July 2016 - Good Clinical Practise Refresher Course, Wits Health – Johannesburg, SA
41. June 2016 - Worcester Ponseti Course (Instructor) - Cape Town, SA
42. April 2016 – World Combined Orthopaedic Meeting (COMOC) - Cape Town, SA

CONFERENCES / COURSES ATTENDED (Continued)

43. April 2016 - The South African Neurodevelopmental Therapy Association. Orthopaedic approach to paediatric foot complications symposium – Pretoria, SA
44. Sep 2015 – SA Orthopaedic Association Annual Congress – Drakensberg, SA
45. Jan 2015 – Introductory Hands-On REDCap (Research Electronic Data Capture) Workshop – Johannesburg, SA
46. Nov 2014 - Mafikeng Ponseti Course (Instructor) – Mafikeng, SA
47. Nov 2014 - Botswana Ponseti Course (Instructor) - Gaborone, Botswana
48. Oct 2014 - AO Paediatric Trauma Course – Johannesburg, SA
49. Oct 2014 – AO Trauma Paediatrics (Instructor) – Pretoria, SA

50. July 2014 - Botswana Ponseti Course (Instructor) - Maun, Botswana
51. March 2014 - AAOS Annual Conference – Las Vegas, USA
52. Oct 2014 - National Osteoporosis Foundation of SA. Annual Congress – Johannesburg, SA
53. Sep 2014 - SAOA Annual Congress - Cape Town, SA
54. March 2014 - AO Basic Trauma Course - Johannesburg, SA
55. Oct 2013 - AACPD Annual Congress - Milwaukee, USA
56. Sep 2013 - SAOA Annual Congress - Sun City, SA
57. July 2013 - Good Clinical Practice, Wits Health – Johannesburg, SA
58. July 2013 – Ankle / foot workshop for children with cerebral palsy (Presenter) – Johannesburg, SA
59. June 2013 - Botswana Ponseti Course (Instructor) - Gaborone, Botswana
60. June 2013 – Orthofix / ORSO Advanced Fellowship in Circular Fixator Application – Pretoria, SA
61. May 2013 – Ultrasound guided injection technique roadshow – Johannesburg, SA
62. April 2013 – Cerebral palsy forum (Presenter) – Gauteng, SA
63. March 2013 - Masterclass in anatomy of US guided intramuscular Botox injecting - Liverpool, UK
64. Sep 2012 - SAOA Annual Congress – Durban, SA
65. May 2012 - Advanced Taylor Spatial Frame Course – Stellenbosch, SA
66. May 2012 - Annual Cerebral Palsy National Conference – Johannesburg, SA
67. May 2012 - SA Paediatric Orthopaedic Society (ICL) Clubfoot – Stellenbosch, SA
68. May 2012 - SA Neurodevelopmental Therapy Association (SANDTA) and the Paediatric Neurology and Development Association of SA (PANDA) Workshop – Bloemfontein, SA
69. Sep 2011 - SAOA Annual Congress - Sun City, SA
70. Dec 2010 - International Pediatric Orthopaedic Symposium (IPOS) - Orlando, USA
71. June 2010 – 8th Symposium on Joint Preserving & Minimally Invasive Surgery of Hip – Ottawa, Canada
72. May 2010 - Pediatric Orthopaedic Society of North America (POSNA) Annual Meeting - Waikaloa, Hawaii, USA
73. May 2010 - POSNA Pediatric Orthopaedic Trauma Half Day Course - Waikaloa, Hawaii, USA
74. March 2010 - St Justine's Pediatric Orthopedic Refresher Course - Montreal, Canada
75. Oct 2009 - Smith & Nephew Basic Taylor Spatial Frame Course – Pretoria, SA

CONFERENCES / COURSES ATTENDED (Continued)

76. Sep 2009 - SAOA Annual Congress – Drakensberg, SA
77. May 2009 - Orthofix workshop on paediatric internal & external fixation - Verona, Italy
78. March 2009 - Smith & Nephew Basic Ilizarov Circular Fixator Course - Cape Town, SA
79. Feb 2009 - SA Paediatric Orthopaedic Society Congress (SAPOS) - Cape Town, SA
80. Sep 2008 - SAOA Annual Congress - Cape Town, SA
81. May 2008 - Smith & Nephew Trauma Congress - Kwa Maritane, SA
82. Feb 2008 - South African Orthopaedic Registrars Congress – Stellenbosch, SA
83. Sep 2007 - SAOA Annual Congress – Johannesburg, SA
84. Sep 2007 - SA Society for Surgery of the Hand Annual Congress – Johannesburg, SA

85. Aug 2007 - Eastern Central SAOA Congress - Pemba, Mozambique
86. Feb 2007 - South African Foot Society Biennial Congress – Johannesburg, SA
87. Feb 2007 - South African Orthopaedic Registrars Congress – Bloemfontein, SA
88. Feb 2007 – Research techniques (EXPD 7000), Wits – Johannesburg, SA
89. Sep 2006 - SAOA Annual Congress – Durban, SA
90. Sep 2006 - SA Society for Surgery of the Hand Annual Congress – Durban, SA
91. June 2006 - AO Basic Fracture Management - Johannesburg, SA
92. June 2006 - Microscopic Surgery Practical Course (Prof J Fleming) - Johannesburg, SA
93. Feb 2006 - Annual South African Orthopaedic Registrars Congress - Johannesburg, SA
94. Sep 2005 - SAOA Annual Congress - Port Elizabeth, SA
95. Sep 2003 - South African ICU Annual Congress - Sun City, SA
96. March 2003 - Basic Surgical Skills Course - Johannesburg, SA
97. May 2002 - Paediatric Advanced Life Support (PALS) - Johannesburg, SA
98. Aug 2001 - Advanced Cardiac Life Support (ACLS) - Johannesburg, SA
99. March 2001 - Advanced Trauma Life Support (ATLS) – Johannesburg

AUDIT

1. Firth GB, Radziejowski M, Lukhele M. Temporary External Fixators – A Provincial Experience. SA Orthop J. 2006. Audit.
2. Firth GB, Aden A. Treatment of Lunate and Perilunate Dislocations with a Combined Approach and Anchor Repair of the Dorsal Scapho-lunate Interosseus Ligament SA Orthop J. 2008. Audit.
3. Firth GB, M Eltringham, G Schnier. Early Results of the Ponseti Technique for a Club Foot Clinic in South Africa. South African Orthopaedic Journal, 2009. Audit.
4. Pretorius C, Firth GB. Road traffic accidents and orthopaedic injuries in children. SA Orthop J. 2010;9(3):65-68. Audit.

5. Chris Hani Baragwanath Academic Hospital. Paediatric orthopaedic Unit Audit. 2011.
6. Firth GB, Kingwell S, Moroz P. Pediatric Non-Contiguous Spinal Injuries: the 15-year Experience at One Pediatric Trauma Centre. *Spine*, 2012;1,37(10):E599-608. DOI 10.1097/BRS.0b013e31824079ea. Audit.
7. Robertson AJF, Firth GB, Truda C, Ramdass DA, Groome M, Madhi S. Epidemiology of acute osteo-articular sepsis in a setting with a high prevalence of pediatric HIV infection. *J Pediatr Orthop*.2012;32(2):215-219. DOI 10.1097/BPO.0b013e3182468cd7. Audit.
8. Chris Hani Baragwanath Academic Hospital. Paediatric orthopaedic Unit Audit. 2012 (Closed loop audit).
9. Chris Hani Baragwanath Academic Hospital. Paediatric orthopaedic Unit Audit. 2013 (Closed loop audit).
10. Chris Hani Baragwanath Academic Hospital. Paediatric orthopaedic Unit Audit. 2014 (Closed loop audit).
11. Chris Hani Baragwanath Academic Hospital. Paediatric orthopaedic Unit Audit. 2015 (Closed loop audit).
12. Street M, Ramguthy Y, Firth GB. Do Ponseti plasters delay gross motor milestones of South African children treated for idiopathic clubfeet? *SA Orthop J*. 2016;15(2):49-52. DOI 10.17159/2309-8309/2016/v15n2a8. Audit.
13. Masquijo JJ, Firth GB, Sepúlveda D. Failure of tension band plating: a case series. *J Pediatr Orthop B*. 2016 Jul 8. DOI 1097/BPB.0000000000000367
14. Chris Hani Baragwanath Academic Hospital. Paediatric orthopaedic Unit Audit. 2016 (Closed loop audit).
15. Oduah GO, Firth GB, Thandrayen K, Pettifor J. Management of Osteogenesis Imperfecta at the Chris Hani Baragwanath Hospital. *SAOJ*, Winter, 16(2),2017. DOI 10.17159/2309-8309/2017/v16n2a1. Audit.
16. Firth GB, Lescheid J, Camacho M et al. Extraplural osteoarticular multidrug-resistant tuberculosis in children. A case series. *S Afr Med J* 2017 Oct 31,107(11).983-986. DOI 10.7196/SAMJ.2017.v107i11.12577. Audit.
17. Stewart A, Biddulph G, Firth GB. The aetiology of acute traumatic occupational hand injuries seen at a South African state hospital. *SA Orthop J* 2017; Vol 16 No 4. Audit. DOI 10.17159/2309-8309/2017/v16n4a8
18. Chris Hani Baragwanath Academic Hospital. Paediatric orthopaedic Unit Audit. 2017 (Closed loop audit).
19. Wood L, Firth G, Potterton J. Short-term outcomes of single event multilevel surgery for children with diplegia in a South African setting. *SAOJ*, Vol 17 No 2 (2018): p44-48. DOI 10.17159/2309-8309/2018/v17n2a8. Audit.

AUDIT (Continued)

20. Chris Hani Baragwanath Academic Hospital. Paediatric orthopaedic Unit Audit. 2018 (Closed loop audit).
21. Bart's Health Trust. Royal London Hospital 2018. 9638: Neurovascular documentation for supracondylar fractures at RLH. Audit.
22. Bart's Health Trust. Royal London Hospital 2018. 9934: Comparison of the treatment of displaced supracondylar fractures at RLH with the BOAST 11 guidelines. Audit.
23. Bart's Health Trust. Royal London Hospital 2019. 9362: Treatment of SCFE at RLH. Audit.
24. Bart's Health Trust. Royal London Hospital 2019. 10465: A retrospective clinical audit of hip migration and orthopaedic management in paediatric patients with neuromuscular conditions other than Cerebral Palsy. Audit.

25. Bart's Health Trust. Royal London Hospital 2020. 11023: Second Cycle. Comparison of the treatment of displaced supracondylar fractures at RLH with the BOAST 11 guidelines. (Closed loop re-audit).
26. Bart's Health Trust. Royal London Hospital 2020. 11065: How objective and subjective achievement of goals shapes the shared decision-making about repeated BoNTA injections in Cerebral Palsy - interprofessional follow up post toxin injections service evaluation. Audit.
27. Bart's Health Trust. Royal London Hospital 2020. 11066: Maximising impact of gait analysis reports on non-surgical management of children with neurodisability - clinical service evaluation. Audit
28. Bart's Health Trust. Royal London Hospital 2020. 11105: The outcomes of tibialis anterior tendon transfer in children with recurrent CTEV at the Royal London Hospital. Audit.
29. Bart's Health Trust. Royal London Hospital 2020. Audit of children and mental health / self-harm incidents during COVID-19 lockdown at a MTC.
30. Bart's Health Trust. Royal London Hospital 2020. Audit of newborns treated with CTEV / clubfoot during the COVID-19 lockdown.
31. Bart's Health Trust. Royal London Hospital Oct 2021. (12399) Audit of Mini C arm utilisation in Casualty vs admission for forearm fractures in children.
32. Bart's Health Trust. Royal London Hospital April 2022. (12802). Supracondylar humerus fractures and standardized documentation implementation.
33. Bart's Health Trust. Royal London Hospital Jan 2022. (11640). Signapps – improving theatre efficiency with a mobile app.
34. Bart's Health Trust. Royal London Hospital Jan 2022. (12399). Benefits of the mini C-arm in A&E : A study of patient safety, efficiency and cost effectiveness.
35. MTW NHS Trust. October 2023. Audit of clubfoot treatment at MTW.
36. MTW NHS Trust. June 2023. Audit of supracondylar fracture treatment in children at MTW.
37. MTW NHS Trust. June 2024. Quality Improvement Project. Sustainability in Paediatric Orthopaedic Surgery.
38. MTW NHS Trust. November 2024. Quality Improvement Project. Long Leg X-ray Quality.

TEACHING AND TRAINING EXPERIENCE

1. Orthopaedic Registrar (2005-2008) – Regular presentations given and weekly audit meetings.
2. Orthopaedic Fellow (2010-2011) – Regular presentations given and teaching of residents on clinical cases.
3. Orthopaedic Consultant (2009, 2011-Present) – Teaching on ward rounds, clinics and theatre lists; regular presentations at local, regional and national level (see list of presentations); regular teaching in MDT meetings; regular registrar tutorials; supervision and examiner for multiple MMed (Orth) projects (see list below); Observer for College of

Medicine in SA exams (FCS (Orth) (SA); Examiner for end of block exams every six months. Supervisor for Masters students at Queen Mary University of London.

Master in Medicine (MMed) Supervision:

1. Dr J Du Plessis – Assessment of the reliability and reproducibility of the Langenskiöld classification in Blount's disease.
(Graduated with distinction 2018 – Examiners Prof A Aden (Wits) and Prof J Du Toit (US))
2. Dr D Naicker. Nucleic acid amplification testing for the diagnosis of osteo-articular Tuberculosis in children.
(Busy with write up 2019)
3. Dr M Mehtar – Profile of patients with Blounts' disease at an academic hospital.
(Graduated 2018 – Examiners Prof M Lukhele (Wits) and Dr S Dix Peek (UCT))
4. Dr E Van Greunen – Recurrence of deformity in Blount's disease after surgical correction
(Graduated 2019 – Examiners Prof A Robertson (Wits) and Prof J Du Toit (US)).
5. Dr C Papagapiou – The accuracy of computed tomography in assessing hip reduction in developmental dysplasia of the hip.
(Graduated 2018 – Examiners Prof A Robertson (Wits) and Dr S Dix Peek (UCT))
6. Dr A Rutarama – Assessment of elbow functional outcome after closed reduction and percutaneous pinning of displaced supracondylar fractures in children.
(Graduated 2018 – Examiners Prof A Robertson (Wits) and Dr P Mare (UKZN)).
7. Dr A Nasar – Osteosarcoma outcomes in Johannesburg: A retrospective multicentre review.
(Ready to be submitted 2019 – Examiners Prof Robertson (Wits) and Prof N Ferreira (US))
8. Dr A Stewart – (Co-Supervisor with Dr G Biddulph). The aetiology of acute traumatic occupational hand injuries seen at Chris Hani Baragwanath Academic Hospital.
(Graduated 2018 – Examiners Prof A Aden (Wits) and Dr M Solomons (UCT))
9. Dr A Ngcakani – Assessment of compensatory distal femoral deformity in patients with Blount's disease.
(Graduated 2017 – Examiners Prof M Lukhele (Wits) and Prof J Du Toit (US))
10. Dr L Hitchman - (Physiotherapist) (Co-Supervisor with Dr J Potterton). The outcomes of single event multilevel surgery and physiotherapy in the walking spastic diplegic child in a resource poor setting.
(Graduated 2016 – Examiners Prof W Mudzi (Wits) and Prof J Du Toit (US))

TEACHING AND TRAINING EXPERIENCE (Continued)

11. Dr G Oduah – (Co-supervisor with Dr K Thandrayen). The clinical presentation and management of South African children with osteogenesis imperfecta. (Graduated 2016 – Examiners – Dr M Hauptfleisch (Wits) and Dr K Smit (US))

Master in Medicine MMed Examiner:

1. Internal examiner for Dr G Magano (MMed Radiology department Wits). Error rates in Paediatric Doctors assessment of elbow injuries in Rahima Moosa mother and child hospital. (Passed Nov 2018)

2. External examiner for Dr E Britz (MMed Orthopaedic department US). Incidence of spinal deformity, level of pain and physical status in adults with cerebral palsy and spastic diplegia. (Passed April 2018)
3. Internal examiner for Dr A Naidoo (MMed Orthopaedic department Wits). The epidemiology of hand infections and incidence of community acquired methicillin resistant staphylococcus aureus incidence at Chris Hani Academic Baragwanath Hospital. (Passed Jan 2018)
4. Internal examiner for Dr F Omojowo (MMed Orthopaedic department Wits). The relationship of the radial line to the capitellum in normal paediatric elbows. (Passed Dec 2017)
5. Internal examiner for Dr I Viljoen (MMed Radiology department Wits). The value of comparative radiographs in the diagnosis of extremity fractures in children by doctors in the emergency department. (Passed Nov 2017)
6. Internal examiner for Dr T Ngcana (MMed Paediatric department Wits). Retrospective review of children with osteogenic sarcoma from 1990 to 2010 at a tertiary hospital in Johannesburg. (Passed Oct 2017)
7. Internal examiner for Ms T Naik (MSc Physiotherapy department Wits). A comparison of the clinical presentation of HIV-Infected children with spastic diplegia to HIV uninfected children with spastic diplegia in a South African setting. (Passed Oct 2016)
8. External examiner for Dr MA Mughal (MMed Orthopaedic department UCT). The epidemiology of femur shaft fractures in children. (Passed Oct 2013)
9. Internal examiner for Dr F Ukunda (MMed Orthopaedic department Wits). The epidemiology of slipped capital femoral epiphysis. (Passed Dec 2011)

MANAGEMENT EXPERIENCE

1. Secretary of South African Paediatric Orthopaedic Society (2014 – 2018).
2. ABC Travelling Fellow Award, July 2014.
I was selected to represent South Africa with 6 other orthopaedic surgeons (From UK, Australia and New Zealand). We travelled to the East coast of North America giving presentations and learning from leaders in orthopaedics at eleven centres over a 5-week period in the United States of America and Canada. These eleven centres and their hosts included Atlanta (Emory University, Scott Boden), Miami (University of Miami Tissue Bank, Frank Eismont), Nashville (Van der Bilt University, Ginger Holt and Jonathan Schoenecker), Memphis (Campbell's

Textbook headquarters, James Beatty, Terry Canale), Durham (Duke University, Ben Alman), Pittsburgh (University of Pittsburgh, Freddie Fu), New York (Hospital for Joint Diseases, Joe Zuckerman), Harvard (Harvard University, Harry Rubash, Tom Einhorn), Hamilton (McMaster University, Mohit Bandari, Michelle Ghert), Montreal (AOA, COA Conference) and Toronto (Toronto Academic Health Sciences Network, Albert Yee, Peter Ferguson). Through my fellow 2014 ABC colleague, Mr Prim Achan I was introduced to the Bart's Health Trust and thanks to him as an ambassador for this Trust and the orthopaedic family here, I am now working here. This fellowship gave an insight into training, management and leadership in North America. Evidence of University infrastructure and philanthropic Trusts showed how Research formed an integral part of their Healthcare model with collaboration between centres seen to be pivotal.

3. Committee Member. Chris Hani Baragwanath Academic Hospital (CHBAH). Clinical Heads and Nursing Committee. (2016 – 2018).
4. Committee Member. University of the Witwatersrand. Unit for undergraduate medical education (UUME), MBBCh Curriculum. (2016 – 2018).
5. EXCO Committee member. University of the Witwatersrand. Orthopaedic Division. (2016 – 2018).
6. Sectional Editor (Paediatric Orthopaedics) – South African Journal of Orthopaedics. (2017 – Current).
7. Committee Member. Research Committee at Bart's Health, Royal London Hospital. (2018 – 2022).
8. Committee Member. Paediatric Orthopaedic Sub-Committee for Virtual Fracture Clinic, Bart's Health, Royal London Hospital. (2019 – 2022).
9. Radiation Protection Supervisor – Orthopaedic Department, Royal London Hospital. (2021 – 2022)

PROCEDURES

See relevant sections of E-Logbook summaries in CESR application.

EXTRA ACTIVITIES**MEDICOLEGAL WORK**

I have extensive experience in the field of medico-legal work specifically in paediatric orthopaedic matters.

My areas of interest include cerebral palsy / neuromuscular quantum work, personal injury and negligence cases covering all general areas of paediatric orthopaedics and trauma related injuries in the field of paediatric orthopaedics.

I have acted as an Expert Witness in paediatric orthopaedics including negligence, and personal injury following trauma. Cases covered have been for both defendant and claimant.

I currently work in these fields of practice at the Maidstone and Tunbridge Wells NHS Hospitals and cover all general orthopaedic cases in my day-to-day practice.

I commenced medico-legal work in 2012, shortly after returning from two international fellowships in paediatric orthopaedics. I have some court experience being called as an expert witness in the past.

I have undertaken basic expert witness training at the British Orthopaedic Association annual congress in Aberdeen in 2021 as well as much practical experience gained from mentors and other expert witnesses during Joint Report writing and informally over case discussions.

I have completed the Cardiff University Bond Solon Expert Witness course in January 2025.

Over the last ten years, I have written in excess of 200 medicolegal reports. I have done a mix of cases for both Claimants and Defendants (Ratio 70:30). Below is a list of some of the law firms I have worked for both in South Africa and the UK:

EDITORIAL BOARDS / JOURNAL REVIEWER / NIHR REVIEWER

1. South African Orthopaedic Journal. Paediatric Orthopaedics Sectional Editor.

2. Invited reviewer for the following Journals:

- Archives of Physiotherapy.
- The Bone and Joint Journal (British).
- BMC Musculoskeletal Disorders.
- BMC Infectious Diseases.
- The Pediatric Infectious Disease Journal.
- Archives of Physical Medicine and Rehabilitation.
- South African Journal of Child Health.
- South African Journal of Orthopaedics.
- South African Medical Journal
- Medical Science Monitor
- Biomed Research International
- Therapeutic Advances in Chronic Disease
- Children

3. Reviewer for NIHR Health Services and Delivery Research Programme (UK).

PRIVATE PRACTICE PRIVILEGES

1. Portland Hospital – employed consultant.

OUTREACH

1. Quarterly visits to Frances Vorweg School, Forest Town School and Hope School in South Africa. Cerebral palsy patients reviewed with school physiotherapists (2011-2018).
2. Clubfoot – Ponseti training with registrars rotating through Klerksdorp Hospital in South Africa – every 6 months (2011-2018).
3. Clubfoot outreach – STEPS – Botswana and Mafikeng Ponseti training courses (South Africa) (2014-2018).
4. General Orthopaedic outreach – Sebokeng & Klerksdorp Hospitals (South Africa) (2011-2018).
5. Paediatric Orthopaedic outreach to Ghana through the Mark Paterson Foundation (UK) (2019 - Present).

EXTRA CURRICULAR ACTIVITIES

- Sports:** Running – road, trail, cross country, cycling
- Hobbies:** Birding, Tanganyikan Cichlid aquarist, outdoors, gardening
- Other:** Springbok Scout (Queen’s Scout equivalent) 1992

REFEREES

Mr Pramod Achan

Previous Clinical Director of Orthopaedic Surgery

Programme Director, Percival Potts Orthopaedic training programme

Senior Consultant Orthopaedic Surgeon (Arthroplasty Subspecialist)

Department of Orthopaedic Surgery

Bart's Health NHS Trust

The Royal London Hospital

Whitechapel Rd

Whitechapel

E1 1BB

GMC Number: 4038450

pramod.achan@nhs.net

Mr Marcus Katchburian

Department of Orthopaedic Surgery

Clinical Lead

Paediatric Orthopaedic Services

Maidstone and Tunbridge Wells NHS Trust

GMC Number: 03265037

mkatchburian@nhs.net