

CURRICULUM VITAE

PERSONAL DETAILS AND CONTACT INFORMATION

Name: Gregory Bodley Firth
Date of Birth: 13-01-1976
Gender: Male
E-mail: greg.firth@gmail.com
Nationality: British / South African

REGISTRATIONS

HPCSA: MP 0525030 (Health Professional Council of South Africa)
MPS: 01/29475 (Resigned 2018)
GMC No.: 6029058

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)

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 – MBBCh (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 Locum Consultant.

DATES:

01/04/2018 – Present.

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: Mr J Lee
- Paediatric Orthopaedic Clinical Lead: Ms C Maizen
- Fellow Paediatric Orthopaedic Consultants: Mr M Ramachandran, Ms P Bijlsma and Mr D Manoukian

JOB DESCRIPTION:**Clinical commitments:**

Responsible for four 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 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 discussing difficult cases for management decisions. Weekly MDTs also occur with radiology and paediatricians.

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 once a month, assisting with theatre cases where necessary.

Cover of the adult on call orthopaedic trauma rota.

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.

EMPLOYMENT HISTORY (Continued)**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.

2. 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 Paediatrics (Charlotte Maxeke Johannesburg Academic Hospital): Prof A Robertson
- Paediatric Orthopaedic Consultants: Dr Y Ramguthy

JOB DESCRIPTION:**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.

EMPLOYMENT HISTORY (Continued)

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.

3. POST TITLE:

Orthopaedic Consultant.

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.

EMPLOYMENT HISTORY (Continued)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.

4. 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 Nattrass, 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)

5. 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.

6. 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.

EMPLOYMENT HISTORY (Continued)

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.

7. 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.

EMPLOYMENT HISTORY (Continued)**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).

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.

EMPLOYMENT HISTORY (Continued)

8. 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.

9. 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.

EMPLOYMENT HISTORY (Continued)**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.

10. 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.

EMPLOYMENT HISTORY (Continued)

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.

11. 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:

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.

12. POST TITLE:

Senior Medical Officer.

DATES:

01/01/2002 – 31/05/2002.

FULL TIME.

EMPLOYMENT HISTORY (Continued)**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.

13. 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.

EMPLOYMENT HISTORY (Continued)**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.

14. 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.

EMPLOYMENT HISTORY (Continued)**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. 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.
2. **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.
3. **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.
4. **ABC Travelling Fellow Award, July 2014**
5. **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.
6. **Poster Award. SAOA Annual Congress, Sep 2009.**
(T Mazibuko, GB Firth)
Second prize, Poster competition
Traumatic Hip Dislocations in Children.
7. **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.
7. **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.
8. **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.

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, 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 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.

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.
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. Mehtar M; Ramguthy Y; **Firth GB**. Profile of patients with Blount's disease at an academic hospital. SA orthop. j. vol.18 n.3 Centurion Aug./Sep. 2019. doi.org/10.17159/2309-8309/2019/v18n3a2
45. **HIP ATTACK Investigators**. Accelerated surgery versus standard care in hip fracture (HIP ATTACK): an international, randomised, controlled trial. Lancet. 2020 Feb 7. pii: S0140-6736(20)30058-1. doi: 10.1016/S0140-6736(20)30058-1.
46. Du Plessis J, **Firth GB**, Robertson A. Assessment of the reliability and reproducibility of the Langenskiöld classification in Blount's disease. J Pediatr Orthop B. 2019 Nov 12. doi: 10.1097/BPB.0000000000000692.
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. J Pediatr Orthop B. 2019 Oct 29. doi: 10.1097/BPB.0000000000000689.
48. Rutarama A, **Firth GB**. Assessment of elbow functional outcome after closed reduction and percutaneous pinning of displaced supracondylar humerus fractures in children. SA Orthop J 2019;18(4). DOI 10.17159/2309-8309/2019/v18n4a1
49. **Firth GB**, Ngcakani A, Ramguthy Y, Izua A, Robertson A. The Femoral Deformity in Blount's Disease. A Comparative Study of Infantile, Juvenile and Adolescent Blount's Disease. JPO B 2020 – Accepted for publication.

INTERNATIONAL PRESENTATIONS

1. East & Central SAOA (ECSAOA) Annual Congress, Pemba, Mozambique, Aug 2007. Treatment of Lunate and Perilunate Dislocations with Combined Surgical Approach. GB Firth, AR Aden.
2. 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.
3. 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.
4. AusACPD 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.
5. Clubfoot Ponseti Introductory Course, Gaborone, Botswana, June 2013. Multiple talks on Ponseti treatment of clubfoot sponsored by STEPS.
6. 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.
7. 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).
8. 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)
9. ABC Travelling Fellowship, USA, May 2014. The Rules of Braaing and Other South African Pastimes. (Given multiple times)
10. ABC Travelling Fellowship, USA, May 2014. Congenital Talipes Equinovarus at Chris Hani Baragwanath Academic Hospital. (Given multiple times)
11. ABC Travelling Fellowship, USA, May 2014. The History of Chris Hani Baragwanath Academic Hospital and Orthopaedics in South Africa. (Given multiple times)
12. 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.
13. Combined Orthopaedic Meeting (COMOC), Cape Town, South Africa, April 2016. Paediatric Orthopaedic Challenges in South Africa. GB Firth.
14. 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 (Continued)

15. 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.
16. 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.
17. 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.
18. 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.
19. Clubfoot Train the Trainers Course, Addis Ababa, Ethiopia, July 2016.
20. EPOSNA, Barcelona, Spain, May 2017. The lateral distal femoral angle in Blount's disease. GB Firth, A Ngcakani, AJF Robertson.
21. 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.
22. SAOA, Durban, South Africa, Sep 2019. JJ Craig Eponymous Lecture. Big data in paediatric orthopaedics. What happened to the prospective randomised controlled trial? GB Firth

NATIONAL PRESENTATIONS

1. South African Orthopaedic Association (SAOA) Annual Congress, ICL, Pretoria, Sep 2018. The hip in cerebral palsy. GB Firth.
2. 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.
3. Osteogenesis Imperfecta Mini Symposium, Chris Hani Baragwanath Academic Hospital, March 2018. Surgical Approach to Osteogenesis Imperfecta. GB Firth.
4. South African Society for Surgeons in Training. Johannesburg. 18.11.2017. The Growth Plate and Paediatric Polytrauma. GB Firth.
5. CPotential. Malumulele Onwards Parent Conference, Oct 2017. Expert Panel discussion on orthopaedic surgery in children with CP.
6. 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.
7. 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.
8. 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.
9. South African Orthopaedic Association (SAOA) Annual Congress, Port Elizabeth, Sep 2017. Introduction to Protocol and How to get your Research through Ethics. GB Firth.
10. SAPOS Instructional Course Lectures May 2017. Management of the sequelae of septic arthritis. GB Firth.
11. SAPOS Instructional Course Lectures May 2017. Musculoskeletal manifestations of HIV infection in children. GB Firth.
12. 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.
13. South African Radiology Congress 2015. Paper Poster Presentation. Spinal segmental dysgenesis vs caudal regression syndrome. N Abdurahman, N Mahomed, G Firth, J Naidoo.
14. Regional Clinical Presentation, NDT Bobath Physiotherapy Course Johannesburg Oct 2015. Orthopaedic Management in Cerebral Palsy
15. South African Orthopaedic Association (SAOA) Annual Congress, Drakensberg, Sep 2015. Clubfoot demographics at a South African Clubfoot Clinic. CM Keen, Y Ramguthy, GB Firth.
16. 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)

17. 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.
18. South African Orthopaedic Association (SAOA) Annual Congress, Drakensberg, Sep 2015. Femoral deformity in Blount's disease. Ngcakani A, Firth GB, Robertson A.
19. South African Orthopaedic Association (SAOA) Annual Congress, Drakensberg, Sep 2015. Neglected osteosarcoma in an 8 year old. Allie DG, Ramguthy Y, Firth GB.
20. South African Orthopaedic Association (SAOA) Annual Congress, Drakensberg, Sep 2015. Nail patella syndrome and congenital vertical talus. Mayet S, Ramguthy Y, Firth GB.
21. Clubfoot Ponseti Introductory Course, July 2015. Instructor. GB Firth. Multiple talks on Ponseti treatment of clubfoot sponsored by STEPS.
22. 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.
23. National Osteoporosis Foundation of South Africa. Johannesburg, Oct 2014. Surgical management of osteogenesis imperfecta. GB Firth.
24. South African Orthopaedic Association (SAOA) Annual Congress. Cape Town, Sep 2014. Poster Presentation. Anterior elbow dislocation in a child. GB Firth.
25. 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.
26. South African Paediatric Orthopaedic Society ICL Johannesburg April 2014. Paediatric Hip Conditions. Transient Synovitis.
27. AO Basic Fracture Course. Johannesburg March 2014. Instructor. Reduction techniques of diaphyseal fractures. Treatment algorithms for the polytrauma patient.
28. Regional Clinical Presentation, NDT Bobath Physiotherapy Course Johannesburg Feb 2014. Orthopaedic Management in Cerebral Palsy
29. 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.
30. 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.
31. 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.
32. Regional Clinical Presentation, NDT Bobath Physiotherapy Course Johannesburg April 2013. Orthopaedic Management in Cerebral Palsy
33. Radiology Society of South Africa Congress 2012. Spinal Segmental Dysgenesis vs Caudal Regression Syndrome. (Poster presentation). N Abdurahman, N Mahomed, G Firth, J Naidoo.

NATIONAL PRESENTATIONS (Continued)

34. 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.
35. 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.
36. Regional Clinical Presentation, NDT Bobath Physiotherapy Course Johannesburg Aug 2012. Orthopaedic Management in Cerebral Palsy
37. Annual Cerebral Palsy National Conference, Johannesburg, May 2012. Hip Surveillance in Cerebral Palsy. A Possible Reality in South Africa? GB Firth.
38. South African Paediatric Orthopaedic Society Instructional Course, Stellenbosch, May 2012. The Hindfoot Mechanics of Clubfoot. GB Firth.
39. 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.
40. 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.
41. South African Orthopaedic Association (SAOA) Annual Congress, Sun City, Sep 2011. PFFD or DDH? (E-Poster presentation). M Mehtar, Y Ramguthy, GB Firth.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. South African Orthopaedic Association (SAOA) Annual Congress, Cape Town, Sep 2008. Chondroblastoma – Use of Cement (Poster Presentation). GB Firth, R Kyte.

NATIONAL PRESENTATIONS (Continued)

48. Annual Johnson and Johnson Registrars Congress, Stellenbosch, Feb 2008. Slipped Capital Femoral Epiphysis – Overview of Management and Controversies. GB Firth.
49. 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.
50. SAOA Annual Congress, Durban, Sep 2006. Avascular Necrosis in DDH – Causative Factors and Outcomes. GB Firth, AJF Robertson, A Schepers.
51. 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.
52. SAOA Annual Congress, Port Elizabeth, Sep 2005. Temporary External Fixators – A Provincial Experience. GB Firth, M Radjiowski, M Lukhele.
53. South African ICU Congress, Sun City, Sep 2003. Acute Pancreatitis – Local Clinical Audit (Poster Presentation). GB Firth, H Radford.

REGIONAL PRESENTATIONS

1. University of the Witwatersrand. Paediatric Department, 29 July 2017. Surgery for Rickets and Osteogenesis Imperfecta.
2. Regional Clinical Presentation, Gauteng NDT Physiotherapy Group Pretoria, 19 Oct 2016. Use of Botulinum toxin in children with cerebral palsy.
3. Regional Clinical Presentation, North Gauteng Physiotherapy Course Pretoria April 2016. Orthopaedic approach to paediatric foot conditions.
4. Intermediate Preparation Lecture Series, Johannesburg, 27 Feb 2016. Paediatric Orthopaedic Conditions.
5. Regional Clinical Presentation, Gauteng NDT Physiotherapy Group Johannesburg Aug 2015. Single event multi-level surgery for Cerebral Palsy
6. GP Refresher Course, May 2015. Hip and Knee pain in children.
7. Regional Clinical Presentation, Oct 2012. Hip Surveillance and Management of the Hip in Cerebral Palsy.
8. Regional Clinical Presentation, Johannesburg, Oct 2007. Review of Lumbar Disc Disease – Herniation and Subsequent Degeneration.
9. Regional Clinical Presentation, May 2007. Middle Third Clavicle Fractures – a Review.
10. Regional Clinical Presentation, Johannesburg, July 2007. Total hip arthroplasty in the young patient.
11. Regional Clinical Presentation, Johannesburg, Nov 2006. Fibrous Dysplasia – an Overview and Local Experience.
12. Regional Clinical Presentation, Johannesburg, March 2006. Patello-femoral Joint Instability – Recurrent Patella Dislocation.

LOCAL / DEPARTMENTAL PRESENTATIONS

- 1. 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.
- 2. Registrar Teaching. Bart's Health Trust. Royal London Hospital. London. Academic Day, 29 May 2018.** Osteogenesis Imperfecta. An Overview and Case Study Discussion.
- 3. University of the Witwatersrand (Wits), Orthopaedic Department, Johannesburg, 14 March 2018.** Mentorship, Research output and paediatric case discussions.
- 4. University of the Witwatersrand (Wits), Paediatric Department and Infectious Diseases Department. Johannesburg, 12 March 2018.** Osteo-articular Infections in Children. An Orthopaedic Perspective.
- 5. Chris Hani Baragwanath Academic Hospital Paediatric Departmental Lecture, 2 Feb 2018.** Congenital Talipes Equinovarus – The CHBAH Experience.
- 6. Chris Hani Baragwanath Academic Hospital Physiotherapy Departmental Lecture, 7 August 2017.** Septic arthritis and osteomyelitis.
- 7. Chris Hani Baragwanath Academic Hospital Paediatric Departmental Lecture, 10 April 2017.** Paediatric orthopaedic conditions.
- 8. Chris Hani Baragwanath Academic Hospital Physiotherapy Departmental Lecture, 10 April 2017.** Paediatric orthopaedic conditions.
- 9. University of the Witwatersrand (Wits) Allied Health Sciences. Johannesburg, 17 Oct 2016.** Paediatric Orthopaedics.
- 10. Chris Hani Baragwanath Academic Hospital Physiotherapy Departmental Lecture, 6 September 2016.** Early diagnosis of developmental hip dysplasia.
- 11. University of the Witwatersrand (Wits) Allied Health Sciences, 17 March 2016.** Cerebral Palsy and Hip Surveillance.

LOCAL / DEPARTMENTAL PRESENTATIONS (Continued)

- 12. University of the Witwatersrand (Wits) Orthopaedic Registrar Symposium, 13 Feb 2016.** Cerebral Palsy in Orthopaedic Surgery.
- 13. University of the Witwatersrand (Wits) Allied Health Sciences. Johannesburg, 19 Oct 2015.** Paediatric Orthopaedics.
- 14. University of the Witwatersrand (Wits) Health Sciences Research Day. Johannesburg, Oct 2015. (Poster)** Demographics of Clubfoot at CHBAH. C Keen, Y Ramguthy, GB Firth.
- 15. Wits Paediatric Department. CHBAH. Johannesburg, Oct 2014.** Developmental Dysplasia of the Hip.
- 16. Wits Allied Health Sciences. Johannesburg, Oct 2014.** Paediatric Orthopaedics.
- 17. Wits Research Day. Johannesburg, Sep 2014.** TB Osteo-articular Arthritis (Poster Presentation)

CONFERENCES ATTENDED

1. Sep 2003 - South African ICU Annual Congress - Sun City, SA
2. Sep 2005 - SAOA Annual Congress - Port Elizabeth, SA
3. Feb 2006 - Annual South African Orthopaedic Registrars Congress - Jhb, SA
4. June 2006 - AO Basic Fracture Management - Johannesburg, SA
5. Sep 2006 - SA Society for Surgery of the Hand Annual Congress – Durban, SA
6. Sep 2006 - SAOA Annual Congress – Durban, SA
7. Feb 2007 - South African Orthopaedic Registrars Congress – Bloemfontein, SA
8. Feb 2007 - South African Foot Society Biennial Congress – Johannesburg, SA
9. Aug 2007 - Eastern Central SAOA Congress - Pemba, Mozambique
10. Sep 2007 - SA Society for Surgery of the Hand Annual Congress – Jhb, SA
11. Sep 2007 - SAOA Annual Congress – Johannesburg, SA
12. Feb 2008 - South African Orthopaedic Registrars Congress – Stellenbosch, SA
13. May 2008 - Smith & Nephew Trauma Congress - Kwa Maritane, SA
14. Sep 2008 - SAOA Annual Congress - Cape Town, SA
15. Feb 2009 - SA Paediatric Orthopaedic Society Congress (SAPOS) - Cape Town, SA
16. Sep 2009 - SAOA Annual Congress – Drakensberg, SA
17. May 2010 - POSNA Ped Ortho Trauma Half Day Course - Waikaloa, Hawaii, USA
18. May 2010 - (POSNA) Annual Meeting - Waikaloa, Hawaii, USA
19. June 2010 – 8th Symposium on Joint Preserving & Minimally Invasive Surgery of Hip – Ottawa, Canada
20. Dec 2010 - International Pediatric Orthopaedic Symposium (IPOS) - Orlando, USA
21. Sep 2011 - SAOA Annual Congress - Sun City, SA
22. May 2012 - SA Neurodevelopmental Therapy Association (SANDTA) and the Paediatric Neurology and Development Association of SA (PANDA) Conf – Bloemfontein, SA
23. May 2012 - SA Paediatric Orthopaedic Society (ICL) Clubfoot – Stellenbosch, SA
24. May 2012 - Annual Cerebral Palsy National Conference – Johannesburg, SA
25. Sep 2012 - SAOA Annual Congress – Durban, SA
26. March 2013 - Masterclass in anatomy of US guided IM Botox injecting, Liverpool, UK
27. April 2013 – Cerebral palsy forum (Presenter) – Gauteng, SA
28. May 2013 – Ultrasound guided injection technique roadshow – Johannesburg, SA
29. June 2013 – Orthofix / ORSO Advanced Fellowship in Circular Fixator Application – Pretoria, SA
30. June 2013 - Botswana Ponseti Course (Instructor) - Gaborone, Botswana
31. July 2013 – Ankle / foot workshop for children with CP (Presenter) – Jhb, SA
32. July 2013 - Good Clinical Practice, Wits Health – Johannesburg, SA
33. Sep 2013 - SAOA Annual Congress - Sun City, SA
34. Oct 2013 - AACPD Annual Congress - Milwaukee, USA
35. March 2014 - AO Basic Trauma Course - Johannesburg, SA
36. Sep 2014 - SAOA Annual Congress - Cape Town, SA
37. Oct 2014 - National Osteoporosis Foundation of SA. Annual Congress – Jhb, SA
38. March 2014 - AAOS Annual Conference – Las Vegas, USA

CONFERENCES ATTENDED (Continued)

39. Sep 2015 – SA Orthopaedic Association Annual Congress – Drakensberg, SA
40. April 2016 - The South African Neurodevelopmental Therapy Association.
Orthopaedic approach to paediatric foot complications symposium – Pretoria, SA
41. April 2016 – World Combined Orthopaedic Meeting (COMOC) - Cape Town, SA
42. May 2017 – EPOSNA (Combined EPOS & POSNA congress) - Barcelona, Spain
43. May 2017 - SAPOS ICL (Osteo-articular sepsis) - Durban, SA
44. Sep 2017 - SA Orthopaedic Association Annual Congress - Port Elizabeth, SA
45. March 2018 - Osteogenesis Imperfecta Mini Symposium – Johannesburg, SA
46. July 2018 – RLHOTS 11th annual scientific meeting – London, UK
47. Sep 2018 - South African Orthopaedic Association Annual Congress – Pretoria, SA
48. Nov 2018 – Percival Pott Club 46th annual scientific meeting – London, UK
49. Nov 2018 – British society of surgery for children with cerebral palsy annual congress – Sheffield, UK
50. June 2019 - RLHOTS 12th annual scientific meeting – London, UK
51. Sep 2019 - South African Orthopaedic Association Annual Congress – Durban, SA
52. Nov 2019 - Percival Pott Club 47th annual scientific meeting – London, UK

COURSES ATTENDED

1. March 2001 - Advanced Trauma Life Support (ATLS) – Johannesburg
2. Aug 2001 - Advanced Cardiac Life Support (ACLS) - Johannesburg, SA
3. May 2002 - Paediatric Advanced Life Support (PALS) - Johannesburg, SA
4. March 2003 - Basic Surgical Skills Course - Johannesburg, SA
5. June 2006 - Microscopic Surgery Practical Course (Prof J Fleming) - Johannesburg, SA
6. Feb 2007 – Research techniques (EXPD 7000), Wits – Johannesburg, SA
7. March 2009 - Smith & Nephew Basic Ilizarov Circular Fixator Course - Cape Town, SA
8. May 2009 - Orthofix workshop on paediatric internal & external fixation - Verona, Italy
9. Oct 2009 - Smith & Nephew Basic Taylor Spatial Frame Course – Pretoria, SA
10. March 2010 - St Justine's Pediatric Orthopedic Refresher Course - Montreal, Canada
11. May 2012 - Advanced Taylor Spatial Frame Course – Stellenbosch, SA
12. Oct 2014 - AO Paediatric Trauma Course – Johannesburg, SA
13. Nov 2014 - Botswana Ponseti Course (Instructor) - Gaborone, Botswana
14. Nov 2014 - Mafikeng Ponseti Course (Instructor) – Mafikeng, SA
15. July 2014 - Botswana Ponseti Course (Instructor) - Maun, Botswana
16. Oct 2014 – AO Trauma Paediatrics (Instructor) – Pretoria, SA
17. Jan 2015 – Introductory Hands-On REDCap Workshop – Johannesburg, SA
18. June 2016 - Worcester Ponseti Course (Instructor) - Cape Town, SA
19. July 2016 - Good Clinical Practise Refresher Course, Wits Health – Johannesburg, SA
20. July 2016 - Ponseti Train the Trainers Course - Addis Ababa, Ethiopia
21. Oct 2017 - Elaine Owen Gait Course – Johannesburg, SA
22. Nov 2017 – Pelvic fracture fixation cadaver course – Stellenbosch, SA
23. June 2018 - Graf Hip Ultrasound Course - Cardiff, Wales
24. Oct 2018 – Professional development for medical trainers & governance structure for medical education (Rick Woodward) – RLH, Bart's Health Trust, London, UK
25. Nov 2018 - E-Learning. Medical ethics. Ethics in the healthcare environment.
26. Jan 2019 - Oxford Medical Essentials of Med Leadership & Management – London, UK
27. Jan 2019 – Safeguarding Level Three – Whipps Cross Hospital, London, UK
28. Feb 2019 - NOTTS (Non-Technical Skills for Surgeons) - London, UK
29. March 2019 – Critical appraisal and research methods course, London, UK
30. March 2019 - Train the Trainers (Royal College of Surgeons) - London, UK
31. April 2019 - Advanced Trauma Life Support (ATLS) - Basildon, UK
32. April 2019 – Good clinical practice course – London, UK
33. June 2019 – IS Consultant Interview Course – London Grange White Hotel, UK
34. June 2019 – BJJ Research Methods Course – London, UK
35. Nov 2019 – RNOH Stanmore Paed Orthopaedic Training Day (Presenter) – London, UK
36. March 2020 - OSCE Examiner training course. Royal London Hospital, UK.

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 2019. Treatment of SCFE at RLH. Audit complete.
22. Bart's Health Trust. Royal London Hospital 2019. Comparison of the treatment of displaced supracondylar fractures at RLH with the BOAST 11 guidelines. Audit complete.
23. Bart's Health Trust. Royal London Hospital 2020. Sickle cell disease and hip pathology in children at RLH. Ongoing.
24. Bart's Health Trust. Royal London Hospital 2020. Outcomes of tibialis anterior transfer in children at RLH. Ongoing.
25. Bart's Health Trust. Royal London Hospital 2020. Paediatric orthopaedic trauma waiting lists at RLH. Ongoing.
26. Bart's Health Trust. Royal London Hospital 2019. Summer vs winter admission rates in paediatric orthopaedics at RLH. Ongoing.

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- 2018) – 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.
4. Orthopaedic Consultant (UK) (2018 – Present) - Teaching on ward rounds, clinics and theatre lists to registrars and medical students; regular presentations at local, regional and national level (see list of presentations); regular teaching in MDT meetings; Assisted with FRCS mock exams at Royal London Hospital.

Master in Medicine (MMed) Supervision:

1. Assessment of the reliability and reproducibility of the Langenskiöld classification in Blount's disease.
(Graduated with distinction)
2. Nucleic acid amplification testing for the diagnosis of osteo-articular Tuberculosis in children. (Submitted 2019)
3. Profile of patients with Blounts' disease at an academic hospital.
(Graduated 2018)
4. Recurrence of deformity in Blount's disease after surgical correction (Graduated 2019).
5. The accuracy of computed tomography in assessing hip reduction in developmental dysplasia of the hip. (Graduated 2018)
6. Assessment of elbow functional outcome after closed reduction and percutaneous pinning of displaced supracondylar fractures in children. (Graduated 2018).
7. Osteosarcoma outcomes in Johannesburg: A retrospective multicentre review. (Graduated 2019)
8. The aetiology of acute traumatic occupational hand injuries seen at Chris Hani Baragwanath Academic Hospital. (Graduated 2018)
9. Assessment of compensatory distal femoral deformity in patients with Blount's disease.
(Graduated 2017)
10. The outcomes of single event multilevel surgery and physiotherapy in the walking spastic diplegic child in a resource poor setting. (Graduated 2016)
11. The clinical presentation and management of South African children with osteogenesis imperfecta. (Graduated 2016)

TEACHING AND TRAINING EXPERIENCE (Continued)**Master in Medicine MMed Examiner:**

1. Internal examiner for Error rates in Paediatric Doctors assessment of elbow injuries in Rahima Moosa mother and child hospital. (Passed Nov 2018)
2. External examiner for (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 (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 (MMed Orthopaedic department Wits). The relationship of the radial line to the capitellum in normal paediatric elbows. (Passed Dec 2017)
5. Internal examiner for (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 (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 (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 (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. Committee Member. Chris Hani Baragwanath Academic Hospital (CHBAH). Clinical Heads and Nursing Committee. (2016 – 2018).
3. Committee Member. University of the Witwatersrand. Unit for undergraduate medical education (UUME), MBBCh Curriculum. (2016 – 2018).
4. EXCO Committee member. University of the Witwatersrand. Orthopaedic Division. (2016 – 2018).
5. Sectional Editor (Paediatric Orthopaedics) – South African Journal of Orthopaedics. (2017 – Current).
6. Committee Member. Research Committee at Bart's Health, Royal London Hospital. (2018 – Current).
7. Committee Member. Paediatric Orthopaedic Sub-Committee for Virtual Fracture Clinic, Bart's Health, Royal London Hospital. (2019 – Current).

EXTRA ACTIVITIES**MEDICOLEGAL WORK**

Expert Witness in paediatric orthopaedics with multiple medicolegal reports (in excess of 200 reports) for the following law firms:

1. Molefe attorneys
2. Uys Jordaan attorneys
3. Whalley and Van Der Lith attorneys
4. De Broglio attorneys
5. Denga attorneys
6. Enver Swartz attorneys
7. Gary Austin attorneys
8. Josphe's incorporated attorneys
9. Masinga attorneys
10. O Joubert attorneys
11. Rafael and David Smith attorneys
12. RFI attorneys
13. SIMI Healthcare solutions
14. Swartz Rama attorneys
15. Werner Boshoff attorneys
16. Wim Krynauw attorneys

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) – booked for Reviewer course June 2019.
 - 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
3. Reviewer for NIHR Health Services and Delivery Research Programme (UK).

OUTREACH

1. Quarterly visits to Frances Vorweg School, Forest Town School and Hope School. Cerebral palsy patients reviewed with school physiotherapists (2011-2018).
2. Clubfoot – Ponseti training with registrars rotating through Klerksdorp Hospital – every 6 months (2011-2018).
3. Clubfoot outreach – STEPS – Botswana and Mafikeng Ponseti training courses (2014-2018).
4. General Orthopaedic outreach – Sebokeng & Klerksdorp Hospitals (2011-2018).
5. Ghana Paediatric Orthopaedic Outreach. Mark Paterson Foundation based in London, UK. (2020 – Present).

EXTRA CURRICULAR ACTIVITIES

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

REFEREES**Mr P Achan****Programme Director, Percival Potts Orthopaedic training programme****Senior Consultant Orthopaedic Surgeon (Arthroplasty Subspecialist)**

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Pramod.Achan@bartshealth.nhs.uk**Mr P Bates****Clinical Director****Consultant Orthopaedic Surgeon (Trauma Subspecialist)**

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Peter.Bates@bartshealth.nhs.uk**Mr M Ramachandran****Consultant Orthopaedic Surgeon (Paediatric Subspecialist)**

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GMC Number: 4314413

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