

## 1. PERSONAL INFORMATION

**Name:** Reggie C. HAMDY, M.B., Ch.B., M.Sc. (Ortho.), FRCS(C)

**Work:** Shriners Hospital for Children – Canadian Unit  
1003, boulevard Décarie  
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**Nationality:** Canadian

**Languages spoken:** French, English, Arabic

**Status :** Married - Sylvie Plante, son Sébastien

## 2. EDUCATION

### Medical School

1970-1976 Faculty of Medicine, University of Alexandria, Alexandria, Egypt

### Post Graduate Training

1986-1990 Resident in Orthopaedics, University of Ottawa Orthopaedic Residency Training Program

1985-1986 Resident in Orthopaedics, Grenfell Mission  
C. Curtis Memorial Hospital, St. Anthony, Newfoundland

1984-1985 Rotating Intern, Montreal General Hospital, McGill University, Montreal  
Including rotations at the Royal Victoria and Montreal Children's Hospitals

1983-1984 Pre-internship training, McGill University, Montreal

1983 Senior House Officer in Orthopaedics  
Leicester General Hospital (800 beds), England

1982-1983 House Officer in General Surgery  
(6 months) Victoria Hospital (867 beds), Blackpool, England

1981-1982 Assistant Specialist in Orthopaedics  
Out-patient Clinics, Ministry of Health, Alexandria

1978-1981 Resident in Orthopaedics (Orthopaedic Residency Program)  
Department of Orthopaedics, University of Alexandria

1977-1978 Rotating Intern (1 year)  
University of Alexandria Teaching Hospitals, Alexandria, Egypt

### Fellowship Training

1990-1991 Clinical Fellow in Paediatric Orthopaedics, Hospital for Sick Children, Toronto

	August 1, 1990 – July 31, 1991.
1991-1992	Research and Clinical Fellow in Paediatric Orthopaedics Brown University, School of Medicine - Rhode Island Hospital, Providence, R.I.
1993	Clinical and Research Fellow, Shriners & Sainte-Justine Hospitals, Montreal.

## Medical Qualifications

1976	M.B., Ch.B. (With Honours), University of Alexandria, Egypt
1981	Master's Degree (M. Sc.), Orthopaedics, University of Alexandria, Egypt
1982	LRCP, LRCS, Royal College of Physicians and Surgeons, Edinburgh and Glasgow
1985	LMCC, Licentiate, Medical Council of Canada (#67912)
1990	Quebec Certification in Orthopaedics
1990	FRCS (C) in Orthopaedics, Royal College of Physicians and Surgeons, Canada
1996	Diplomate, American Board of Orthopaedic Surgery

## 3. PRESENT APPOINTMENTS

### *Hospital*

2010 – Present	Chief of Staff, Shriners Hospital for Children, Montreal
2007 – Present	Director, Clinical Research (Orthopaedics), Shriners Hospital for Children
2002 – Present	Chairman, Clinical Research and Outcome Committee, Shriners Hospital
1998 – 2010	Assistant Chief of Staff, Shriners Hospital for Children, Montreal
1994 – Present	Attending Staff, Shriners Hospital for Children, Montreal
1994 – Present	Attending Staff, Orthopaedics, Sainte-Justine's Hospital, Montreal
1993 – Present	Attending Staff, Orthopaedics, Montreal Children's Hospital
1995 – 2011	Consulting Staff, Laurentian Hospital, Sudbury, Ontario

### *University*

#### A. McGill University

2015 – Present	Director, Undergraduate training in Orthopaedics, McGill University
2013 – Present	Associate Chair, Planning and development, Department of Paediatric Surgery
2011 - Present	Professor of Surgery (Orthopaedics), full Tenure
2011 - Present	Director, Division of Paediatric Orthopaedics, McGill University
2007 - 2013	Director, Orthopaedic Residency Training Program, McGill University
2002 - 2011	Associate Professor of Surgery (Tenure), McGill University
1998 - 2002	Assistant Professor of Surgery (Tenure Track), McGill University
1994 - 1998	Assistant Professor of Surgery, McGill University

#### B. University of Montreal

1998 – Present	Adjunct, Professor of Surgery (Professeur associé), Univ. of Montreal
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## 4. SPECIAL AWARDS

2018	Richard L. Cruess Award for Academic Achievement May 3, 2018
2014	Teacher of the Year award, Department of Paediatric Surgery, McGill University
2014	New Investigator Research Award Paper for Dr. Asim Makhdum, Annual ACPOC meeting, Anaheim, California, March 2014 Title: The Accordion Maneuver and The Effects Of Compression Loading On Delayed Regenerate Bone Formation In Cases Of Limb Lengthening. Authors: Asim Makhdum, Reggie C. Hamdy
2012	Best Basic Science Paper presented at the Annual LLRS (Limb Lengthening Reconstruction Society of North America) , Cincinnati, USA , 2012 <i>The effect of Heparan Sulphate on New Bone Formation in a mouse model of Distraction Osteogenesis</i> . Authors: M. Gdalevitch, B. Kassai, B. Dohin, R. Hamdy
2010	POSNA Research Award (Paediatric Orthopaedic Society of North America)
2006	Teacher of the year award – Division of Orthopaedics, McGill University
2005	Teacher of the year award – Division of Orthopaedics, McGill University
2003	Salary award from the F.R.S.Q. (Fonds de Recherche en Santé du Québec), as Senior Clinician Scientist ("Chercheurs-boursiers cliniciens" Senior) 2003 to 2006.
2002	Full Tenure, McGill University, Department of Surgery (Orthopaedics) Promotion to Associate Professor
1998	Salary award from the F.R.S.Q. (Fonds de Recherche et Santé du Québec), as Junior Clinician Scientist ("Chercheurs-boursiers cliniciens" Junior 2 ) for a period of 4 years 1998 to 2002.
1998	Tenure Track, McGill University
1996	Travelling Fellowship, World Health Organisation (WHO) and Pan American Health Organisation (PAHO) Fellowship Program:
1989	Best Research Paper presented to the Visiting Professor (Dr. Leonard Goldner), annual Orthopaedic review day. University of Ottawa. Supervisor: Dr. J. Wiley. <i>Haematogenous Osteomyelitis in Children, a Review of 179 Cases.</i>
1988	Best Research Paper presented to the Visiting Professor (Dr. Dean MacEwen), Annual Orthopaedic Review Day, University of Ottawa. Supervisor: Dr. H. Uhthoff. <i>The Development of the Cervical Spine.</i>
1987	Best First Year Resident Research Paper presented at the Annual Clinical Review Day at the Children's Hospital of Eastern Ontario. <i>A Preliminary Report of Haematogenous Osteomyelitis in Children. The Ottawa Experience.</i>
1981	First in my class for the Master's Degree in Orthopaedics (University of Alexandria).
1976	Honours Degree, M.B., Ch. B.

## 5. TEACHING RESPONSIBILITIES

### UNDERGRADUATE TEACHING COURSES

- (1) **Musculo – skeletal examination courses for final year McGill medical students**      **2009 – till Present**  
Site: McGill Simulation Centre. Seven days per year. I give one or two days.  
Description: Interactive session on MSK physical examination including demonstrations, standardized patients, direct observation and feedback on the students' skills.
- (2) **Metabolic Bone Disease and Bone Turnover Course**      **March 1996 and 1997**  
Coordinator: Dr. L. Conochie, Dr. F. Glorieux  
Description: This is a 3 hours' tutorial for 3<sup>rd</sup> year medical students (groups of 10-15).
- (3) **Bone metabolism Course – when things go wrong**      **March 5, 9, 2001**  
Coordinator: Dr. Janet Henderson (Jewish General Hospital)  
Description: This is a 4 hours' tutorial for 4<sup>th</sup> year medical students.

(4) **Molecular and cellular environment of bone Course 552 - 550A**

October 2, 9 2001

Description: This is a two 2-hour sessions for final year medical students.

**UNDERGRADUATE ORTHOPAEDIC ROTATIONS**

- (1) **Shadowing program** for junior McGill medical students
- (2) **Elective rotation in pediatric orthopaedics for final year McGill medical students**
- (3) **Medical Career advisor.** This is an half-hour informal presentation and discussion with small groups of McGill first and second year students to discuss what is it to be an orthopaedic surgeon, lifestyle, job possibility, career, etc.
- (4) **Under graduate teaching for students outside of McGill,** every year I have students from others Universities doing electives in pediatric orthopaedics last year.

**UNDERGRADUATE SUMMER RESEARCH STUDENTS****Award**

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|--|-------------------|
| (1) <b>Grant from the Canadian Federal Government 1993</b> - (Luc Bouchard)<br>(University of Montreal) on the outcome of patients with Spina Bifida who had a Sharrard transfer   | <b>\$2,000.00</b> |
| (2) <b>McGill University Summer Research Grant</b> - (Douglas Naudie)<br>For medical student 1994, 1995<br>■ Management of fibular hemimelia<br>■ Complications of lengthening pathological bone                               | <b>\$2,500.00</b> |
| (3) <b>University of Montreal Summer Research Grant</b> - (Alexandre Sylvestri)<br>For medical student 1995<br>Project: A review of the histology of limb lengthening  | <b>\$2,500.00</b> |
| (4) <b>McGill University Winter Research Grant</b> - (Victor Gendo)<br>For Medical Student 1996<br>Project: Review of Open Fractures of the Femur in the Children  | <b>\$2,000.00</b> |
| (5) <b>University of Montreal Summer Research Grant</b> - (Alexandre Sylvestri)<br>For medical student 1997<br>Project: Bone Morphogenetic Proteins from Basic Science to Clinical Practice                                    | <b>\$2,500.00</b> |
| (6) <b>University of Montreal – Final Year Student (1997)</b> - (Stéphane Parent)<br>Medical Student) Research Elective at the Shriners Hospital<br>Project: The Use of the Dynamic Hip Screw in the Paediatric Population.    |                   |
| (7) <b>University of Toronto Medical School Summer Student 2004</b><br>3 <sup>rd</sup> year Student (Stephanie Nakada)<br>Project: Fibroblastic Growth Factors and Distraction Osteogenesis                                    | <b>\$5,000.00</b> |
| (8) <b>McGill University – Summer Student 2004</b> - (Tasima Haque)<br>CIHR (Canadian Institute Health Research) Training Program in Health Research<br>Project: The Role of BMP Antagonist Noggin in Distraction Osteogenesis | <b>\$5,000.00</b> |
| (9) <b>McGill University – Summer Student 2006</b> - (Michael Pakdaman)<br>CIHR (Canadian Institute Health Research) Research Bursary Program.   | <b>\$2,834.00</b> |
| (10) <b>McGill University – Summer Student 2006</b> - (Alexander Normandin)<br>CIHR (Canadian Institute Health Research) Research Bursary Program  | <b>\$2,834.00</b> |
| (11) <b>FRSQ – Summer Research Bursary 2006</b> – (Norine Alam)  | <b>\$4,000.00</b> |
| (12) <b>McGill University – Elective Summer Student, 2007</b><br>Alberto Carli – 3 <sup>rd</sup> year Undergraduate Student  |                   |
| (13) <b>FRSQ – Summer Research Bursary (with Dr. T. Head), 2007</b><br>(Manuela H. Mandu)  | <b>\$2,666.00</b> |
| (14) <b>McGill 3<sup>rd</sup> year Medical Student, Stephen Lang</b> 2009  |                   |
| (15) <b>St. George Medical school, Caribbean</b> Norine Alam , May 18 – july 30, 2011<br>Second year medical student, Shriners Fellowship Program  | <b>\$1,500.00</b> |

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|---|-------------------|
| (16) <b>Shriners Fellowship Program</b> , Mahmoud Masri, 2012   | <b>\$1,500.00</b> |
| (17) <b>McGill Student, Fellowship</b> , David Alcolombre, 2012 | <b>\$1,500.00</b> |

## ORGANIZATION OF TEACHING COURSES – SYMPOSIUMS - WORKSHOPS

- (1) **Chairman Education Committee – Post-Graduate Orthopaedic Residency Training Program 2017**
  - McGill University – Montreal, (Qc) – Canada.
- (2) **American Orthopaedic Association Faculty Workshop (AO Faculty Workshop)**
  - Faculty Education Workshop, Jan. 29<sup>th</sup> & 30<sup>th</sup>, 2016
- (3) **Director, Scientific Program, Annual Ste-Justine Paediatric Orthopaedic Review Course, 1994–2002**
  - I have been responsible for the organization of the whole scientific program from 1994 - 2002.
  - Organized by both McGill University and the University of Montreal  
This is an annual review course in paediatric orthopaedics designed primarily for Canadian and American orthopaedic residents in training.  
Attendance: About 100 every year  
The course lasts three days and consists of 50 lectures of 15-20 minutes each,  
Faculty: In addition to the local faculty, there are usually 10 invited guest speakers from other Canadian and American centres.
- (4) **Chairman, Annual Montreal Ilizarov Course, 1994-2002**
  - This is the only Ilizarov workshop course held in Canada.
  - This is a basic Ilizarov workshop course held at the Montreal Shriners Hospital
  - The course consists of workshops and lectures covering basic principles for limb lengthening and deformity correction.
- (5) **Member, Quebec Orthopaedic Association Continuing Medical Education Committee,**
  - 1999 – 2003; I represented McGill on this committee. We were responsible for the organization of the continuing Medical Education Activities (4 meetings a year – including a 3-day symposium) designed for Quebec Orthopaedic Surgeons.
- (6) **Pelvic Osteotomies Workshop:**
  - Held during the Annual Sainte-Justine Paediatric Orthopaedic Review Course. This workshop started in 2003 till 2009.
- (7) **Bone Graft Substitutes Symposium:**
  - LLRS/ASAMI annual meeting, Toronto, Canada, July 2004. (*Limb Lengthening and Reconstruction society of North America*).
- (8) **Bone Graft Substitutes Symposium:**
  - Washington, DC, USA. Held during the American Academy of Orthopaedic Surgeons, Speciality day. February 2005
- (9) **Chairman, Scientific Committee, 10th. International meeting of the AOLF**
  - (Association des Orthopédistes de langue Française), Montreal, Quebec, 2006.

## **POSTGRADUATE: MCGILL ORTHOPAEDIC RESIDENCY TRAINING PROGRAM**

From March 2007 to July 2013 – I was appointed program director of the orthopaedic residency program at McGill. As such, I am responsible for the design, implementation, evaluation and supervision of all aspects of training for the orthopaedic residents at McGill.

## **POSTGRADUATE: UNIVERSITY OF MONTREAL ORTHOPAEDIC RESIDENCY PROGRAM**

Teaching Seminars for Residents: Programme d'orthopédie Édouard-Samson;

(a) Skeletal Dysplasia, Osteogenesis Imperfecta and Dwarfism;

**March 6, 2000**

(b) Developmental Dislocation of the Hip;

**October 2, 2000**

## **FAMILY PHYSICIANS AND PEDIATRICIANS (Given annually since 2006 - 2011)**

In 2006, with Dr. Fassier, chief of pediatric orthopaedics at McGill, I designed a musculo-skeletal course for family physicians and paediatricians. This is a one-day course, given on an annual basis (by all members of McGill Paediatric Orthopaedic Division) and includes the most common orthopaedic problems that family physicians and paediatricians encounter

## **INTERNATIONAL VOLUNTEER TEACHING ACTIVITIES**

Second Orthopaedic Caribbean Course: Port-au-Prince, Haiti. November 20, 21 1999.

*"What is New in Orthopaedics".*

Participation in this course included orthopaedic residents and orthopaedic surgeons from Caribbean countries. Besides Tutorials, I gave three lectures: What is New in the Management of DDH? What is New in the Management of Spasticity? Metabolic Bone Disease

## **INTERNATIONAL TEACHING COURSE**

MIGHA course (Musculo-skeletal Interdisciplinary Global Health Advancement Course). An outline of this course (with the help of Dr. T. Brewer, Director of Global Health at McGill) was presented as a poster at the First Consortium of Universities for Global Health in Bethesda in September 15, 2009

# **6. RESEARCH TRAINEES SUPERVISED (GRADUATE STUDENTS)**

## **MASTER DEGREE STUDENTS**

- (1) **Caroline Demers -(1998 – 2000)** Master Degree. Salary Award from N.S.E.R.C. (National Science and Engineering Research Council). Co-supervisor of her Master Degree Thesis with École Polytechnique, Génie Biomédical, University of Montreal (1998 – 2000).  
*Thesis: Coral as a delivery system for growth factors.*  
Awarded Master Degree in Biomedical Engineering, April 2001 with exceptional merit.
- (2) **Paolo Campisi - (June 2000 – June 2001)** ENT Resident (Master Degree Program), Co- supervisor – Faculty of Graduate studies , McGill University with Dr. L. Lessard, Division of Plastic Surgery.  
Funds obtained: Plastic Surgery Educational Foundation  
*Thesis: "Mandibular Distraction Osteogenesis. The Role of Bone Morphogenetic Proteins"* (June 2000 – June 2001). Dean's Honour List. He is Assistant Professor, Hospital for Sick Children, University of Toronto.
- (3) **Christina Zachary - (2003 - 2005).** ENT resident (Master Degree Program), McGill University. Co-supervisor of Master Degree with Dr. L. Lessard, Division of Plastic Surgery.



- Thesis: The effects of BMP7 on distraction osteogenesis in the mandible.* (2003 - 2005). She is Assistant Professor, University of Calgary.
- (4) **Manuela Hirt-Mandu, (2005 - 2007).** I was her co-supervisor with Dr. M. Tabrizian, PhD, Biomedical Engineering, McGill. *Thesis: The development of Chitosan-Alginate nanoparticles as a delivery system for Growth Factors in Distraction Osteogenesis.*
  - (5) **Fares Hamade, (September 2005 – September 2007).** I am his supervisor with (Dr. Rene St-Arnaud), Department of Genetics, McGill University. *Project: Evaluation of Distraction Osteogenesis in FGFR3 knock-out mice.*
  - (6) **Norine Alam, (September 2006 – September 2008).** I am her supervisor with Dr. Rene St-Arnaud. Department of Genetics, McGill University. *Project: The Role of BMP-2 in the Mouse Model of Distraction Osteogenesis.*
  - (7) **Ali Izadpanah, (June 2008 – 2010).** Division of Experimental Surgery. I am his supervisor with Dr. L. Lessard. *Project: Evaluation of BMP antagonists during distraction osteogenesis.* CIHR salary award July 2009 – July 2010
  - (8) **Luay Alsalmi, (June 2008 – 2009.)** Resident, Division of Plastic Surgery. I am his supervisor with Dr. L. Lessard. *Project: Wnt signaling during distraction osteogenesis.*
  - (9) **Priscille Vallee - Grenier (June 2010 – 2011).** Division of Experimental Surgery. I am her supervisor with Dr. P. Moffatt as co-supervisor.
  - (10) **Hattan Aljaaly (June 2010 – 2011).** Division of Experimental Surgery. I am his supervisor with Dr. L. Lessard (Plastic Surgery) as co-supervisor. Funded by the Saudi Government.
  - (11) **Waleed AlBishi (2011 – 2012)** - Division of Experimental Surgery. Funded by Saudi Government.
  - (12) **Asem Makhdom (2012 – 2013)** - Division of Experimental Surgery. Funded by Saudi Government.
  - (13) **Mohamed J. El-Yahrani (2013-2014)** – Division of Experimental Surgery. Funded by Saudi Government.
  - (14) **Emad Anam (2013 – 2014)** – Division of Experimental Surgery, Funded by Saudi Government.
  - (15) **Mina Wahba (2014 – 2015)** – Division of Experimental Surgery, Funded by the Division of General Surgery, McGill University
  - (16) **Mohammad Al-Otaibi (2015-2016)** Division of Experimental Surgery, Funded by Saudi Government.
  - (17) **Bayan Ghalimah (2015-2016)** Division of Experimental Surgery, Funded by Saudi Government.
  - (18) **Yasir Alabdulkarim (2016-2017)** Division of Experimental Surgery, Funded by Saudi Government.
  - (19) **Dena Baknash (2017 - 2018)** Division of Experimental Surgery. **Project:** Quantification and immunophenotypic characterization of Adipose Derived Stromal Vascular Fraction in Pediatric population.
  - (20) **Abu Hantash Monther (2018-)** Division of Experimental Surgery, McGill University
  - (21) **Nawaf Alamiri (2018-)** Division of Experimental Surgery, McGill University

## POST-DOCTORAL FELLOWS

- (1) **Masatoshi Amako, M.D. Ph.D.,** September 1999 – August 2001. Dr. Amako is an orthopaedic surgeon with the Japanese Military. He obtained a 2 years Fellowship – with a fully paid salary from the Japanese Armed Forces, to do research work with Dr. Williams and myself.
- (2) **Masahisa Kawaguchi, M.D., Ph.D.** September 2001 – August 2003. Dr. Kawaguchi is also an orthopaedic surgeon with the Japanese military. As Dr. Amako, he obtained a 2 – year fellowship with a fully paid salary from the Japanese Armed Forces.
- (3) **Ana Cristina Bassit, DVM, Ph.D.** April 2013 – April 2016. Dr. Bassit is a veterinarian doctor who completed a Ph.D. in molecular biology in the University of Florida. Her salary will be funded by the CIHR as part of an awarded grant. She is working on the development of siRNA (small interfering RNA) against BMP inhibitors and how to deliver them locally using slow release delivery systems - Nanoparticles and Chitosan hydrogel (sponge).
- (4) **Geneviève Drouin, Ph.D. (Sherbrooke)** October 22, 2015 – October 2016
- (5) **Timothée Baudequin Ph.D.** January 2016-January 2018. Dr. Baudequin is a biomaterial engineer who is Co-supervised by Dr. Hamdy.
- (6) **Mayumi Umebayashi, Ph.D.,** Faculty of Dentistry – McGill University 2018

## Ph.D. STUDENTS

- (1) **Ziyad Haidar:** I am co-supervisor with Dr. M. Tabrizian, Ph.D., Biomedical Engineering, McGill. September 2005 - September 2010. "The development of Chitosane-Alginate nanoparticles as a delivery system for Growth Factors in Distraction Osteogenesis".  
Obtained CIHR salary award: 19,000.00 \$ for 3 years.
- (2) **Lamees Nayef:** I am co-supervisor with Dr. M. Tabrizian, Ph.D., Biomedical Engineering, McGill University. June 2011 – 2015. The development of a nanoparticle (chitosan alginate – liposomes) delivery system for Growth factors in Critical size defects and Distraction Osteogenesis. Funded by NSERC & CIHR.
- (3) **Rui Zhang:** Co-supervisor with Dr. R.St-Arnaud. Department of Human Genetics 2012 – 2016. Funded by International Shriners Organization Grant. Obtained Master Degree, University of Ottawa. Working on acceleration of Bone Formation in Distraction Osteogenesis, fracture healing and critical size defects by blocking FGR3 (Fibroblast Growth Factor).
- (4) **Saber Ghadakhzadeh MD, M.Sc .** 2014 – 2017. Saber graduated with a MD (Tehran, Iran) and then completed a Master Degree in molecular biology (Wnt signaling in fracture healing) at the University of Toronto (Hospital for Sick Children). He just started his Ph.D. in Bone Regeneration and Tissue Engineering, under my supervision. Funded by the International Shriners Organization Grant.

## 7. INVITED SPEAKER, VISITING PROFESSOR, MODERATOR; (Conferences, Seminars, Workshops)

### INTERNATIONAL, NATIONAL, PROVINCIAL & LOCAL

- |      |   |             |
|------|---|-------------|
| (94) | May 27 to June 2 <sup>nd</sup> , 2019. Pediatric Orthopedic Meeting – Guest Speaker<br>Tel Aviv, Israel   | <b>2019</b> |
| (93) | February 7-10, 2019. Center for Excellence in Limb Lengthening and Reconstruction Texas Scottish Rite Hospital for Children – Dallas, Texas. Controversies in Pediatric Limb Reconstruction. CME<br>■ Co-Moderator on Regenerate Stimulation Session<br>■ Advances in Mechanical Approaches to Stimulating to Regenerate - Presentation   | <b>2019</b> |
| (92) | September 24-26, 2018, 3 <sup>rd</sup> International Symposium on Arthrogryposis<br>■ Functional Outcomes Among Children with AMC: Retrospective Review on 114 Charts   | <b>2018</b> |
| (91) | July 4-6, Guest Speaker – 14 <sup>th</sup> International Deformity Correction Conference –<br>InterContinental City stars – Cairo Egypt<br>■ Unstable knee in deformity correction - presentation<br>■ Cellular advances & limb reconstruction - presentation<br>■ Lengthening nails - presentation<br>■ Biologic solutions of nonunion - presentation<br>■ Metabolic complex deformities - presentation<br>■ Complex deformities in syndromes – presentation<br>■ Sawbone Workshop on Pelvic | <b>2018</b> |
| (90) | June 13-16, Guest Speaker – 9 <sup>th</sup> Hull Deformity Correction Cours – Doubletree by Hilton, Hull<br>United Kingdom<br>■ Sawbone Workshop – Tibia Oblique Plane – S & N (Ilizarov)<br>■ Case Presentations and Discussion in Paediatric<br>■ Complex Paediatric Deformities – Syndromes Metabolic – Presentation<br>■ Cellular Advances & Limb Reconstruction – Presentation   | <b>2018</b> |



- Interesting Cases
  - The Unstable Knee in Paediatrics and Deformity Correction – Presentation
  - Cartilage Restoration Repair Techniques, Cells – Presentation
  - Soft Tissue – Contraction Knee - Presentation
- (89) May 9-13, Guest Speaker - CAOS (Chinese Association Orthopaedic Surgeons) **2018**  
Hangzhou, China
- Recent trends in Lower Deformity Correction
  - Cavus Foot: Acute versus Gradual Correction
  - Controversies in the Management of Deformities in Blount's Disease
  - What is New in the Management of Limb Deformities in Children with O.I.
  - How to Approach Lower Limb Deformities in Children with Arthrogryposis
  - Center of Excellence in Orthopaedic
  - Workshop on pelvic osteotomies
- (88) May 10 –Tianjin Hospital – Tianjin, China **2018**
- Group Discussion – Clinical cases
- (87) February 28 – March 2, 2018: SPORC **2018**
- Pelvic Osteotomies: Classifications and Indications
  - The Fate of Osteogenesis Imperfecta
- (86) December 15, Visiting Professor, Quebec City **2017**
- Evolution in the Management of Limb Deformities
  - Acute vs gradual distraction of Limb Deformities
- (85) December 12, SHC – Canada Research Site Visit presentations: **2017**
- Clinical and applied pediatric orthopedic research (Two 15-minute presentations)
- (84) November 6-9, 2017. Congrès de la Société Française de Chirurgie Orthopédique et Traumatologique. Palais des Congrès, Paris, France. **2017**
- Conférence : La prise en charge des enfants atteints de paralysie cérébrale au Québec
  - Modérateur
- (83) October 27, 2017. Workshop Unproven Stem Cell Procedures – Ottawa (On) – Canada **2017**
- (82) September 22-27, 2017. BIT's 4<sup>th</sup> Annual World Congress of Orthopaedics WCORT – China **2017**
- Management of lower limb deformities in children with Arthrogryposis
  - Emerging Trends in Limb Lengthening and Reconstruction Surgery
  - Gradual versus acute correction of lower limb deformities
  - Update of Management of Limb Deformity in Children with Osteogenesis Imperfecta
- (81) July 19-21, 2017. International Congress of Skeletal Deformities Correction of the Egyptian Orthopaedic Association. Intercontinental Cairo City starts, Egypt. **2017**
- Guest Speaker
  - Moderator: Symposium Guided Growth (July 19<sup>th</sup>)
  - Member of the Panel: Guided Growth (July 19<sup>th</sup>)
  - Moderator: External fixators assisted internal fixation (July 21<sup>st</sup>)
- (80) June 28 to July 1, 2017. 8<sup>th</sup> Annual Hull Deformity Correction Course, Hull, England (CME) **2017**
- Deformity Correction by Guided Growth
  - Update on Complex Paediatric Deformities/Blounts
  - Surgical Considerations of Paediatric Hip Disorders
- (79) May 14-15, 2017. Hospital Seminar 2017 Shriners Hospital for Children, Montreal Cda **2017**
- Who are our patients – New Trends in Care
  - Patient Needs – How your support makes a difference (3D Printing)
- (78) May 11-13, 2017. International Symposium 30<sup>th</sup> Anniversary of Ilizarov Method (ASAMI) Convention, Wroclaw, Poland. **2017**
- Limb Deformities in Osteogenesis Imperfecta: What is new?
  - Acute versus Gradual Correction in Limb Deformities: How to decide
  - Combined Free Vascularized Flap and Ilizarov Frame for Severe Foot Deformities
- (77) March 8-10, 2017. SPORC **2017**

- Pelvic Osteotomies: Classifications and indications
- Breakout sessions 3 & 4
- The Fate of Osteogenesis Imperfecta in 2017
- (76) October 16-22, 2016. 60<sup>th</sup> Anniversary Congress of the Korean Orthopaedic Association **2016**
  - Current trends of Deformity Correction of Children and adolescents' patient using external fixators
  - Osteogenesis Imperfecta & Diagnosis Therapy
- (75) July 6-9, 2016, 11<sup>th</sup> Annual Arthrogryposis Multiplex Congenital Support Conference **2016**  
Tulsa, Oklahoma, USA
  - Implementation of a multidisciplinary AMC clinic and magnitude of the challenge.  
R. Hamdy, A. De Almeida Vicente, N. Dahan-Oliel
- (74) June 22-29, 2016, 7th Annual UK Deformity Course, Hull England **2016**  
Participated as Faculty. Besides workshops and cadaveric sessions, I gave lectures:
  - Metatarsal lengthening
  - Cavus foot in CMT
  - Vascularised flap and Ilizarov for severe foot pathology
  - Update Blount's disease
  - Deformity correction in children with metabolic and OI
- (73) May 23-27, 2016, Cairo, Egypt (Invited speaker) **2016**  
International Conference of Skeletal Deformities Correction of the Egyptian Orthopaedic Association  
*Organized two workshops:*
  - Pelvic osteotomies in Children
  - Fassier-Duval rodding in Children with osteogenesis Imperfecta*Gave 3 lectures:*
  - Management of Limb Deformities in Children with Metabolic Bone disorders and osteogenesis Imperfecta
  - Update on the treatment of Blount's disease
  - Acute versus Gradual correction of Limb Deformities
- (72) Visiting Professor May 18, 2016, **2016**  
University of Western Ontario, London, Ontario , Canada  
Gave 3 lectures:
  - The Science and Clinical aspects of Distraction Osteogenesis
  - Pelvic Osteotomies in Children
  - Case discussions with staff and Residents
- (71) April 26-29, POSNA Annual Meeting, Indianapolis, Indiana **2016**  
Moderator of session on:
  - Pre-course "Trends and Applications Pediatric Lower Extremity Deformity "
- (70) March 22-24, 8th Trauma Conference State of Kuwait, Kuwait (3-day revision course **2016**  
& annual conference on Trauma)
  - Proximal Humerus Fractures in Adolescents – Is Surgery Always Indicated?
  - Update on the Management of SCFE
  - How to Stabilize Adolescent Femur Fr. Solid Nail, Elastic N., Plates, Ex Fix
  - Adolescent Ankle Injuries: How to Stay Out of Trouble
- (69) March 9, 10, and 11, 2016 - 29th Ste-Justine Pediatric Orthopaedic Review Course (SPORC) **2016**
  - SPORC Pelvic Osteotomies: Classifications & Indications (March 9)
  - The Fate of Osteogenesis Imperfecta in 2016 (March 11)
- (68) November 4 to 8, LLRS Meeting in Miami, FL **2015**  
I was the Chairman of the Scientific Committee and President of LLRS  
Symposium Talks:
  - Management of limb deformities in metabolic bone diseases and osteogenesis imperfecta.  
(Hamdy) Fernandes, J; Birch J; Samchukov M. Topic: Paediatrics  
Title: The uses of Fassier - Duval rod in OI, Speaker: Reggie C. Hamdy, MD
  - Dedicated limb deformity service at a medical center

(Rozbruch) Herzenberg J; Hsu J; Hamdy RC; Beaman D.

Title: Limb deformity as part of a pediatric orthopedic practice, Speaker: Reggie Hamdy, MD

- How to approach limb deformities in patients with skeletal dysplasia?

(Hamdy/Song) Song, Hae-Ryong; Herzenberg; Birch J; Hosny G; Fernandes J

Topic: Paediatric, Speaker: Reggie C. Hamdy, MD

Title: General principles in the management of deformities in children with skeletal dysplasias

- Management of neglected fractures

(Hosny) Hamdy R; Chaudhary M; El-Sayad M; Agrawal R A

Topic: Fractures, Speaker: Reggie Hamdy, MD

- Research Methods to Enhance Bone Formation in Distraction Osteogenesis

#43 (Song) Kun Bo Park; Kwang-Won Park; Dong-Hoon Lee; Hamdy R.

Topic: Research

Title: Biologic stimulation - Systemic application of parathyroid hormone, growth hormone, and bisphosphonate, Speaker: Reggie Hamdy, MD

- |      |  |             |
|------|--|-------------|
| (67) | <b>Board examiner</b>  | <b>2015</b> |
|      | Kuwait September 5 to 9, 2015  |             |
| (66) | <b>16<sup>th</sup> EFFORT Congress</b>   | <b>2015</b> |
|      | Prague, Czech Republic, May 27-29  |             |
|      | Invited speaker  |             |
|      | ■ Sequelae of Infection in Children (Orthopaedic sequelae of fulminant meningococemia)                                   |             |
| (65) | <b>Visiting Professor for the LLD Basic Course Program, Kuwait May 2- 10</b>   | <b>2015</b> |
|      | ■ Pediatric Orthopedic Review Course (21 talks)  |             |
|      | ■ 1 day clinic: 13 patients seen   |             |
|      | ■ Deformity Course; 2.5 days   |             |
| (64) | <b>AAOS (American Academy of Orthopaedic Surgeons Las Vegas, USA</b>   | <b>2015</b> |
|      | Specialty Day, March 2015  |             |
|      | Moderator of session: Advances in biological acceleration of bone formation in bone defects and distraction Osteogenesis |             |
| (63) | <b>Annual Visiting Professor Lecture Series</b>  | <b>2015</b> |
|      | Hospital for Special Surgery, New York, N.Y., January 30   |             |
|      | ■ Basic Science and Clinical Applications in Limb Lengthening & Reconstruction   |             |
| (62) | <b>XXVI SICOT Triennial World Congress combined with 46<sup>th</sup> SBOT Annual Meeting</b>                             | <b>2014</b> |
|      | Rio de Janeiro, Brazil, November 20-23   |             |
|      | Invited Speaker:   |             |
|      | ■ A systematic approach to Cavus Foot  |             |
|      | ■ Use of biologics in the management of non-unions   |             |
|      | ■ Deformity Correction in Skeletal Dysplasia   |             |
| (61) | <b>COA Basic Science Course (Post-Graduate Course)</b>   | <b>2014</b> |
|      | Ottawa, October 27   |             |
|      | ■ Physiology and Disorders of the Growing Skeleton   |             |
|      | ■ Physiology (Continued)   |             |
|      | ■ Distraction Osteogenesis   |             |
| (60) | <b>MCH Telehealth Distance Teaching &amp; Learning Center, January 15</b>  | <b>2014</b> |
|      | Fractures in Children  |             |
|      | <i>Common Fractures in Pediatric Primary Care</i>  |             |
|      | <i>Child Abuse</i>   |             |
| (59) | <b>MCH Telehealth Distance Teaching &amp; Learning Center, December 18</b>   | <b>2013</b> |
|      | Pediatric Orthopaedics Part 1(Back & lower limb)   |             |
|      | Pediatric Orthopaedics Part 2 (Emergency Problems)   |             |
| (58) | <b>Visiting Professor, Edmonton, Alberta, November 28-29</b>   | <b>2013</b> |
|      | <i>The Science Distraction Osteogenesis and Clinical Applications</i>  |             |
|      | <i>Pelvic Osteotomies: Overview</i>  |             |

- Elbow Fractures: How to Stay Out of Trouble*  
*Skeletal Dysplasia Made Simple*
- (57) **34<sup>th</sup> Sicot – Orthopaedic World Congress** **2013**  
 Hyderabad, India; October 17-19  
*Strategies to Deal with Poor Regenerate*
- (56) **COA Annual Basic Science Course, Toronto, August 18-19** **2013**  
*Management of Neglected Fractures of the Upper Limb*  
*Physiology and Disorders of the Growing Skeleton*  
*Distraction Osteogenesis*
- (55) **COA Annual Meeting, Guest Speaker** **2013**  
 Winnipeg, Manitoba; June 20-23  
 Paediatric Symposium: Controversies in Paediatric Trauma  
*In-Situ Pinning for SCFE*
- (54) **May 1-4, POSNA annual meeting, Toronto, Ontario** **2013**  
 Botulinum Toxin Type A Injection In Alleviating Post-Operative Pain  
 and Improving Quality of Life in Lower Extremity Limb Lengthening  
 and Deformity Correction
- (53) **Sainte-Justine Annual Pediatric Orthopaedic Review Course, March**  
*Pelvic osteotomies* **2007 - 2013**
- (52) **Annual James Wiley Visiting Professor** **2013**  
 Ottawa, Ontario – Canada; February 28; Guest Speaker: *Pelvic Osteotomies, Cavus Foot, SCFE.*
- (51) **Annual Visiting Professor in Pediatric Orthopedics – Brian Greenhill Day** **2013**  
 Edmonton, Canada; November 28-30  
 Pelvic Osteotomies for Hip Dysplasia  
 Management of Cavus Foot  
 SCFE – Controversies in Management
- (50) **Guest speaker, 12<sup>th</sup> Annual Research Day, University of Sherbrooke,** **2012**  
 October 11<sup>th</sup>, 2012, Sherbrooke  
 Bone Regeneration and Distraction Osteogenesis
- (49) **27<sup>th</sup> Annual Eugene Rogala, Visiting Professor in Paediatric Orthopaedic Surgery** **2012**  
 September 13-14. Montreal Quebec
- (48) **7<sup>th</sup> Annual Meeting of the International ASAMI (Association for the Study** **2012**  
**And application of Methods of Ilizarov)**  
 Thessaloniki, Greece; June 6 – 9.  
 New insights in the biology of distraction Osteogenesis Strategies in the management of poor  
 regenerate bone formation
- (47) **Annual meeting of the Musculo-skeletal axis, MUHC on:** **2011**  
 New Therapeutics Targets And Diagnosis in Musculoskeletal disorders Fracture healing:  
 How to improve the effects of BMP based therapy - October 28 in Montreal, Quebec?
- (46) **Annual Meeting of the LLRS (Limb Lengthening Reconstructive Society)** **2011**  
 Chicago USA, July 22 – 23
- (45) **62<sup>nd</sup> International Meeting of the Egyptian Orthopaedic Association** **2010**  
 Cairo Egypt; December 6 – 9, 2010  
 Paediatric Trauma, Hip and Foot Problems
- (44) **Baltimore Limb Deformity Course,** **2010**  
 Baltimore, Maryland; September 6, 2010  
 Management of delayed bone formation in Distraction Osteogenesis
- (43) **6<sup>th</sup> Annual Meeting of the International ASAMI (Association for the Study** **2010**  
**And application of Methods of Ilizarov)**  
 Cairo, Egypt June 16 – 19, 2010  
*Gave 2 lectures, organized 2 workshops (pelvic Osteotomies and bone biologics)*
- (42) **3<sup>rd</sup> International Paediatric Orthopaedic Symposium** **2010**

KSU (King Saud University), Riyadh, Saudi Arabia

March 23 – 25, 2010 *I gave 6 lectures and participated in a 3 hour*

*Workshop on Pelvic osteotomies*

- (41) **AAOS – LLRS (American Academy of Orthopaedic Surgeons) Speciality Day** **2010**  
 March 13, 2010 New Orleans, USA  
*Controversies in Limb Lengthening – Five Minutes Debate*  
 ■ *Cavus Foot: Acute Correction vs. Circular Fixator*  
 ■ *BMP2 vs. BMP7 which one works?*
- (40) **Texas Scottish Rite Hospital, Dallas** January 27 **2010**  
 The use of BMPs in children. Also discussed potential collaborations between the 2 hospitals
- (39) **CIHR (Canadian Institutes of Health Research** **2009**  
**Bone Health Research Consensus**  
 Toronto, Canada; November 9 – 10 - Invited guest (attendance only by invitation)
- (38) **International Course on Paediatric Fractures** **2009**  
 Quito, Ecuador November 18 – 20  
 I was one of 4 guest speakers (*gave 7 lectures, one workshop on the Fassier-Duval nail and participated in group discussions*)
- (37) **First Annual Meeting of the Consortium of Universities for Global Health** **2009**  
**(CUGH) By Invitation Only**  
 Natcher Conference Centre, NIH, Bethesda, Maryland September 13 – 15, 2009  
 Development of a musculo-skeletal Program to improve global health in session on Interdisciplinary Innovation in Education.
- (36) **5th International Conference on Children's Bone Health** **2009**  
 Cambridge, United Kingdom, 23 - 26 June, 2009,  
 Invited guest speaker: *Limb reconstruction in Children*
- (35) **International Bone Deformity conference** **2009**  
 Cairo, Egypt April 28 – 30,  
 Organized a workshop on Pelvic Osteotomies (presentations and saw bones)
- (34) **AAOS (American Academy of Orthopaedic Surgeons) Speciality Day** **2009**  
 Las Vegas, USA, May 2, 2009  
 Talk in Symposium: *Growth factors and Distraction Osteogenesis*  
 The role of BMPs in Distraction Osteogenesis
- (33) **Annual Meeting of the Shrine Surgeon Association,** **2008**  
 November 20 – 23, 2008, Boston, Mass, USA  
 Talk: *The use of BMPs in Children. Part of Symposium on: Bone Morphogenetic Proteins – Clinical Experience*
- (32) **AAOS (American Academy of Orthopaedic Surgeons) Specialty day LLRS:** **2008**  
 Clubfoot Correction in the Paediatric Patient - March 8, 2008. San Francisco, USA
- (31) **MCH Surgical Grand Rounds: Recent advances in Limb Lengthening Reconstruction:** **2008**  
 From the bench to the bedside May 5<sup>th</sup>, 2008.
- (30) **Fourth International Course of Skeletal Deformities Correction.** **2008**  
 ■ *I organized a workshop on Pelvic Osteotomies*  
 ■ *Lecture on the use of BMPs in Children.*  
 April 23 to 25, 2008. Cairo – Egypt
- (29) **EPOS-POSNA (European Paediatric Orthopaedic Societies – Paediatric** **2007**  
**Orthopaedic Society of North America) Instructional Course**  
 I gave two courses: Management of Recurrent Clubfeet  
 Management of Fibular Hemimelia.  
 November 25, 26, 2007. Cairo – Egypt.
- (28) **National Research Council of Canada** **2007**  
 International Symposium on Polymeric Materials for Regenerative Medicine.

- Keynote Speaker: Challenges with bone formation in distraction Osteogenesis  
April 2-4, 2007 Montreal, Quebec.
- (27) **International Symposium on the Management of Musculoskeletal deformities** **2007**  
**Clinique, Diagnostic et traitement des maladies avec des anomalies de la**  
**Croissance congénitales**  
May 24-25, 2007. Kurgan, Russia.  
*Update on the medical and surgical treatment of Osteogenesis Imperfecta.*  
■ *The use of OP-1 in cases of congenital Pseudo-arthritis of the tibia.*  
■ *Can we accelerate bone formation in distraction osteogenesis?*
- (26) **Annual meeting of ACFAS (Association Française pour le savoir).** **2006**  
*One of 8 invited speakers in a symposium: Osseointegration et régénération osseuse.*  
May 18, 2006. Montreal, Quebec.
- (25) **American Academy of Orthopaedic Surgeons, Speciality Day Meeting, LLRS** **2006**  
*The use of OP-1 in Congenital Pseudo-arthritis of the tibia."*  
March 25, 2006. Chicago, USA.
- (24) **60<sup>th</sup> Annual Meeting of the Canadian Orthopaedic Association** **2005**  
*Part of Symposium on "Paediatric Fractures for the General Orthopaedist "*  
*Knee Injuries in Children.*  
June 2005, Montreal, Quebec
- (23) **American Academy of Orthopaedic Surgeons, Speciality Day Meeting, LLRS** **2005**  
*Moderator of a Symposium on Bone Graft Substitutes.*  
February 2005, Washington, DC
- (22) **Symposium organized by the CMPA (Canadian Medical Protective Association)** **2005**  
*The orthopaedic surgeon and Jehovah witnesses*  
March 2005, Montreal
- (21) **Quebec Orthopaedic Association meeting** **2003**  
*Bone graft substitutes*  
February 2003
- (20) **Second European Conference on Bone Morphogenetic Proteins.** **2002**  
Guest Speaker: *Distraction Osteogenesis and Bone Morphogenetic Proteins:*  
*Basic Science and clinical applications.*  
May 2002, Zagreb, Croatia
- (19) **Brown University Orthopaedic Training Program.** **2001**  
Guest Speaker: *Growth Plate Injuries: Diagnosis and Management.*  
September 12, 2001, Providence, Rhode Island, USA.
- (18) **Combined Orthopaedic Research Societies of Canada, USA and Europe.** **2001**  
Guest Speaker: *Bone Remodelling in Children*  
June 1-4, 2001, Rhodes.
- (17) **Fourth International OP-1 Conference.** **2001**  
Guest Speaker: *Effects of Local Injection of New Bone in Distraction*  
*Osteogenesis in the Rabbit.* March 23-25, 2001, Whistler, British Columbia.
- (16) **Quebec Association of Orthotists and Prosthetists (annual meeting)** **2001**  
*The orthotic and prosthetic management of congenital anomalies of the lower*  
*limb in children.*  
November 10, 2001, Montreal
- (15) **Annual Research Day, University of Sherbrooke** **2001**  
*The Treatment of Limb Length Inequality in 2001. What is new?*  
May 12, 2001, Sherbrooke, Québec.
- (14) **Quebec Spina Bifida Association Annual meeting** **2000**  
*The management of Orthopaedic manifestations in children with spina bifida*  
October 2001, Montreal
- (13) **Operating Room personnel, Shriners Hospital** **2000**  
*Workshop on pelvic osteotomies.*



- May 2000, Montreal
- (12) **McGill 12<sup>th</sup> Orthopaedic Annual Update Course** 1999  
*The Knee: From the Newborn to the Elderly. Blount's Disease: Current Concepts of Treatment.*  
 March 25-27, 1999. Mont-Tremblant, Québec
- (11) **Third International OP 1 Conference.** 1999  
 Guest Speaker: *Bone Morphogenetic Proteins in Distraction Osteogenesis.*  
 November 5-6, 1999, Woodstock, Vermont
- (10) **54<sup>th</sup> Annual Meeting of The Canadian Orthopaedic Association** 1999  
 ■ *Symposium: What is New in the Ilizarov Technique?*  
 July 3 to 5, 1999, St-John's, Newfoundland
- (9) **SOFCOT 1998 (Société orthopédique française de chirurgie orthopédique).** 1998  
 I was invited to participate in a symposium on *Traumatic Injuries of the Growth Plate Anatomy and physiology of the growth plate, Classification of growth plate injuries, Management of partial damage to the growth plate.* ,  
 Paris, France, November 1998.
- (8) **Québec Orthopaedic Association Annual Meeting.** 1998  
 Chairman of a mini-symposium on foot problems in adolescents.  
 ■ *Untreated clubfoot (above 10 years of age)*  
 ■ *Hypermobile planovalgus foot*  
 ■ *Paralytic foot with osteomyelitis of the first metatarsal*  
 October 1-3, 1998, Mont-Tremblant, Québec
- (7) **Québec Orthopaedic Association Annual Meeting.** 1998  
*Fibular Hemimelia: Principles of Treatment*  
 October 1-3, 1998, Mont-Tremblant, Québec.
- (6) **School of Physiotherapy, McGill University** 1997  
*Common orthopaedic problems in children.*  
 April 1997
- (5) **McGill 11<sup>th</sup> Orthopaedic Annual Update Course** 1997  
*The Hip: From the Newborn to the Elderly. Hip Fusion in 1997.*  
 Mont-Tremblant, March 6, 1997
- (4) **Children treatment Centre, Sudbury, Ontario** 1996  
 (physiotherapists and occupational therapists: I gave 3 lectures in 1996;  
*Cerebral Palsy - Spina Bifida - Limb length inequality*)
- (3) **GEOP (Groupe d'enseignement en orthopédie pédiatrique)** 1995  
*Controverse sur la place de la chirurgie dans l'ostéomyélite*  
 Le Touquet, France. March 31, 1995.
- (2) **21<sup>st</sup> Annual Orthopaedic Symposium, University of Ottawa.** 1995  
 ■ *Post-traumatic Osteomyelitis in Children.*  
 ■ *Management of Post-Traumatic Leg Length Discrepancy in Children.* May 11, 1995
- (1) **Instructional Course Lecture, 50<sup>th</sup> Annual Meeting of the COA** 1995  
**Canadian Orthopaedic Association**  
 ■ *The Growth Plate: Anatomy, Physiology and Clinical Implications in Children.* .  
 Halifax, Nova Scotia, June 6, 1995

#### Ste-Justine Annual Pediatric Orthopaedic Review Course

- |  |             |
|--|-------------|
| a. <i>Pelvic osteotomies: Classifications &amp; Indications</i>  | 2007 – 2018 |
| b. <i>The Fate of Osteogenesis Imperfecta in 2016-2017-2018</i>  | 2016 – 2018 |
| c. <i>The Hip in Cerebral Palsy: Orthopaedic Perspectives.</i>   | 2006        |
| d. <i>Avascular necrosis of the Femoral Head in Adolescents,</i> | 2005        |
| e. <i>Pelvic Osteotomies.</i>                                    | 2003        |

f. <i>Rational for Pelvic Osteotomies: Where, When, and How?'</i>	2002
g. <i>Vertical Talus.</i>	2000
h. <i>Knee injuries.</i>	1999
i. <i>Osteotomies around the Adolescent Hip. Classification and Indications.</i>	1998
j. <i>The Management of Joint Contractures in Children</i>	1997
k. <i>The Management of Angular Deformities in Children</i>	1997
l. <i>Management of Post-Traumatic Osteomyelitis</i>	1996
m. <i>Management of Congenital Anomalies of the Lower Limb</i>	1995
n. <i>Management of Limb Length Discrepancy</i>	1994

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## 8. ADMINISTRATIVE RESPONSIBILITIES

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### COMMITTEES

- A. Shriners Hospital for Children- Canada, Current Committees**
  - Member, Hospital Management Committee – 1998 to present
  - Member, Credentials Committee - 1998 to 2010
  - Chairman, Operating Room Committee - 1995 to present
  - Chairman, Medical Executive Committee – 2010 to present
  - Vice Chairman, Medical Executive Committee – 1998 to 2010
  - Chairman, Clinical Research and Outcome Committee – 2001 to present
- B. Research Institute, Montreal Children's Hospital, McGill University**
  - Member, Graduate Student Committee 2001 to 2003 – Evaluates all requests of students for the Master and PhD degrees, for internal funding.
- C. McGill University**
  - Member, Ethics Subcommittee of the Animal Facilities Care Committee (once/month), examines all research protocols of all the research centres of McGill University dealing with animals with a D level. (1997 to 2003).
  - Member, Promotions and Tenure Committee, Department of Surgery, 2005 to 2006
  - Chairman, Promotions and Tenure Committee, Department of Surgery, 2006 to 2017.
  - Member, Promotions and Tenure Committee, Department of Surgery, 2017 to present.
  - Member, IRB (Institutional Review Board), Faculty of Medicine, McGill University, 2006 to 2008.
  - Member, Post-Graduate Education Committee, Faculty of Medicine, March 2007 to present.
- D. Division of Orthopaedics, McGill University**
  - Member, Orthopaedic Resident Committee, November 2006 to 2013.
  - Director, Orthopaedic Residency Training Program, March 2007 to 2013.
  - Member, Executive Committee of the Division of Orthopaedics.
- E. Provincial Level**
  - Member, Quebec Orthopaedic Association: Continuing Medical Education Committee (1998 - 2003). This Committee organizes and supervises all the scientific meetings of this association – 3 per year, including an annual 3-day Symposium on a specific topic.
- F. National Level**

- Member, Board of Examiners, Royal College of Surgeons of Canada for FRCS Certificate in Orthopaedics, 2000 – 2001.
- Examiner, Medical Council of Canada, Part II, May 2005
- Member, Speciality Committee of the Royal College of Physicians and Surgeons, Canada 2008 to 2014. Responsibilities of this committee include the regular evaluation and determination of the Goals and Objectives of the Orthopaedic training Requirements for Orthopaedic Programs across Canadian Medical Schools.
- Representative of the Quebec Medical Schools on the Nucleus Committee of the Orthopaedic

#### G. International Level

- **Chairman, Research Committee, LLRS** (Limb Lengthening and Reconstructive Society of North America) and member of the executive committee (2003 to 2012)
- **President , LLRS** 2014 - 2015

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## 9. PROFESSIONAL AND LEARNED SOCIETIES

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### A. Clinical

- Canadian Orthopaedic Association
- American Academy of Orthopaedic Surgeons
- POSNA (Paediatric Orthopaedic Society of North America)
- The American Society for Bone and Mineral Research.
- The International Bone and Mineral Society.
- LLRS/ASAMI North America (Limb Lengthening and Reconstructive Society)

### B. Administration

- Member, Canadian College of Health Care Executives, 2001 - 2002

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## 10. RESEARCH GRANTS

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<i>Funding agency</i>	<i>Years</i>	<i>Amount</i>	<i>Role as Investigator</i>
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### A. PRESENT FUNDING

#### (34) Shriners Hospital for Children RFP

Translational Grant	2018 - 2023		
Co P.I.: B Willie, F. Rauch, S. Tran		\$712,140.00	

**P.I.:** R. Hamdy  
Multidisciplinary Approaches for Bone Regeneration using Biomaterials & Cell Therapy

(33) <b>Institut TransMed Tech</b>	2018-2020	\$102,135.00	
Developmental Grant			

**P.I.:** Isabelle Villemure  
**Co-P.I.:** R. Hamdy, M. Mekhail  
**Remote-Controlled Programmable Internal Plate Fixator to Improve and Accelerate Distraction Osteogenesis (DO) in Children**

(32) **Shriners Hospitals for Children** 2017-2019 \$116,615.00  
Multi-Center project: 2-year developmental grant)  
**Dahan-Oliel N, Hamdy R, Bédard T, van Bosse H.**

**Co-P.I.: R. Hamdy**

(31) **CIHR SBoCK Multicenter** 2014-2018  
Randomized Control Trial  
CIHR reference number MOP-130272

**Co-P.I.: R. Hamdy**

**Treatment of Unicameral bone cysts  
randomized controlled trial – curettage  
only versus curettage and VITOSS**

(30) **CIHR** 2014-2018 \$678,974/5 yrs

**P I: U. Narayanan**

**Co-PI: R. Hamdy & al.**

**Title: Outcomes of hip interventions for  
children with cerebral palsy – an  
international multi-centre prospective  
comparative cohort study  
Comparative Cohort. A feasibility study**

## **B. GRANT SUBMISSION**

(01) **MPSIS Study (Limb Deformity Registry Project) – Clinical Research**

Collaboration with Dr. Reggie Hamdy, Dr. Anthony Cooper, Kathleen Montpetit, Noemi Dahan, China Harpreet  
Submit January 2018

## **C. PAST FUNDING**

(29) **CIHR** 2016 \$ 10,000

**Co-PI: R. Hamdy**

(Canadian Institute of Health Research)

**Stakeholders Parenting for  
Arthrygroposis Research: Client-Centered  
Care Network (SPARK-Network)**

(28) **CIHR** 2015 \$ 10,000

**Co-PI: R. Hamdy**

**Stakeholders in Pediatric Rehabilitation:  
An Initiative for Client-Centered Care-SPARK-  
Rehab**

(27) **CIHR** 2014/2015 \$160,000/yr

**P.I.: Maryam Tabrizian**

**Co-PI: R. Hamdy**

**A novel injectable chitosan hydrogel sponge  
containing BMP-7 as a therapeutic  
intervention for accelerated bone formation in  
a critical size defect rat model Proof of  
Principle – Phase 1 grant**

(26) **CIHR** 2012 – 2015 \$146,822.00 yearly  
(3 years)

**P.I.: R. Hamdy**

(Co-PI's: M. Tabrizian & P. Moffatt)

**Title: The Effect of a Hybrid and Injectable  
Nanoparticulate BMP Delivery System on  
Bone Regeneration during Distraction  
Osteogenesis**

(25) **Robert Matthys  
Foundation** 2013 – 2015 25,000  
Swiss franc  
per year

**Co-PI.: R. Hamdy (PI: Jake Barralet)**

**Title: Injectable Osteoconductives for  
Enhancement of Bone Formation During  
Distraction Osteogenesis.**

(24) <b>International Shriners Organization</b>	2012 - 2016	\$819,257.00	<b>Co P.I.: R. Hamdy</b> (P.I. René St-Arnaud) <b>Title:</b> <b>Blocking FGFR3 Signaling to Accelerate bone formation in Distraction Osteogenesis</b>
(23) <b>POSNA</b> (Paediatric Orthopaedic Society of North America)	2012 July	\$30,000.00	<b>Co P.I.: R. Hamdy</b> (P.I. Uni Narayanan) <b>Title:</b> <b>Outcomes of hip Interventions for Children with Cerebral Palsy – An International Multi-Centre prospective</b>
(22) <b>International Shriners Organization</b>	2011 – 2012 Jan. – Dec.	\$120,000.00	<b>P.I.: R. Hamdy</b> <b>Title:</b> <b>BMPs and Distraction Osteogenesis in Mice</b>
(21) <b>POSNA</b> (Paediatric Orthopaedic Society of North America)	2010 – 2011	\$30,000.00	<b>P.I.: R. Hamdy</b> (Co-PI : with N. Dahan, B.Sc., M.Sc (OT) & K. Montpetit, M.Sc.(OT), Dr. Uni Narayanan) <b>Title:</b> <b>Long term Radiological and Clinical Effects of Botulinum Toxin-A on Muscle in Children Undergoing Limb Lengthening MRI study</b>
(20) <b>International Shriners Organization</b>	2007 – 2010 Jan. Dec	\$1,018,696.00	<b>Principal Investigator R. Hamdy</b> (with 6 paediatric Hospitals: 4 Shriners Hospitals (Montreal, Philadelphia, Honolulu, Portland) Hospital for Sick Children in Toronto & DuPont Institute, Wilmington, Delaware, USA – Hospital is the co-ordinating site) <b>Title:</b> <b>The safety and efficacy of Botox injections in alleviating pain and improving functional outcome in children undergoing limb lengthening</b>
(19) <b>International Shriners Organization</b>	2008 – 2010 Jan. Dec.	\$530,346.00	<b>P.I. R. Hamdy</b> <b>Title:</b> <b>BMPs and Distraction Osteogenesis in Mice</b>
(18) <b>Salary Award F.R.S.Q.</b>	2003 – 2006 July July	\$120,000.00 \$ 40,000.00 yr	<b>Personal Salary Support</b> <b>Title:</b> <b>Chercheur-boursier clinician Sénior Senior Clinician Scientist</b>
(17) <b>Salary Award F.R.S.Q.</b>	1998 – 2002 July July	\$111,236.00 \$ 27,809.00 yr	<b>Personal Salary Support</b> <b>Title:</b> <b>Chercheur-boursier clinician Sénior Senior Clinician Scientist</b>
(16) <b>International Shriners Organization</b>	2006	\$ 96,667.00	<b>Planning Grant (Clinical Research)</b> (Our Hospital is the co-ordinating Site) <b>Title:</b> <b>The safety and efficacy of Botox injections in alleviating pain and improving functional outcome in children undergoing limb lengthening.</b>
(15) <b>International Shriners Organization</b>	2001 – 2004	\$240,123.00 \$ 80,041.00 yr	(Operating Grant) <b>Title:</b> <b>The Mechanism of Action of Bone Morphogenetic Proteins in a Rabbit</b>

## Distraction Osteogenesis Model

(14)	<b>International Shriners</b>	2001 – 2004	\$ 47,340.00	<b>CO- P.I. Multi centre Shriners Hospital Organization Study (9 Hospitals)</b> (The co-ordinating site is the Northern California Hospital) <b>Title: Functional Outcome of Children with Congenital below Elbow Amputation</b>
(13)	<b>International Shriners Organization</b>	2005 – 2007	\$443,929.00	<b>P.I.</b> <b>Title: Mechanism of action of Bone Morphogenetic Proteins in BMPR1 Knock-out mice</b>
(12)	<b>FQRNT &amp; McGill Center For Biosensors &amp; Biochips</b>	2001 – 2007	\$55,000.00 Personal Share \$10,000.00 to \$15,000.00 yearly	<b>Co P.I.</b> (with 32 Co P.I. in a strategic group including 4 Quebec Medical Schools and their affiliated hospitals; Ecole Polytechnique de Montreal, The NRC (National Research Council of Cda); Health Cda; Intl members from INSERM, Strasbourg, France; Maryam Tabrizian, Ph.D., Director. Ziyad Haidar, PhD Student. <b>Title: The Development of a Chitosan Based Delivery System for Growth Factors.</b>
(11)	<b>MRC (Medical Research Council of Canada)</b>	1997 – 2000	\$131,2770.00	<b>P.I.</b> <b>Title: the role of different growth factors in distraction histogenesis and the formation of new bone</b>
(10)	<b>Mtl Children Hospital Research Institute</b>	1998	\$ 11,814,00	<b>P.I.</b> Equipment Internal Competition – <b>Title: Anaesthetic Machine (\$5,014.00) &amp; Instruments for Animal Experimental Surgery (\$6,800.00)</b>
(9)	<b>Mtl Children Hospital Research Institute Montreal Children's</b>	2006		<b>P.I.</b> Equipment Internal Competition - Scienceware Max Memory Pipetting Aid.
(8)	<b>McGill University Research Institute Montreal Children's Hospital</b>	1996	\$ 20,000.00	<b>P.I.</b>
(7)	<b>Stryker Biotech Company, U.S.A.</b>	1998	\$ 52,514.00	<b>P.I. - Industry support</b> <b>Title:</b> Efficacy of OP-1 (Osteogenic Protein) in stimulation of new bone formation
(6)	<b>Montreal Children's Hospital - Orthopaedic Department - McGill University</b>	1996 – 1997	\$ 14,000.00	<b>P.I.</b>
(5)	<b>Montreal Children's Hospital - Department of Surgery - McGill University</b>	1997	\$ 6,000.00	<b>P.I.</b>
(4)	<b>Faculty of Graduate Studies &amp; Research McGill University</b>	1997	\$ 17,500.00	<b>P.I.</b>



(3) <b>Research at Brown Univ. Rhode Island Hospital</b>	1991 – 1992	\$ 26,000.00	<b>P.I.</b> <b>Title:</b> <b>Smith &amp; Nephew – Richard Company</b> (Ilizarov) of the form of all the equipment necessary for the application of 12 Ilizarov fixators on dogs.
		\$ 12,000.00	<b>Title:</b> <b>EBI Company (Orthofix)</b> In the form of all the equipment necessary to apply 8 Orthofix on dogs.
		\$ 22,000.00	<b>Title:</b> <b>Orthopaedic Research Foundation of Rhode Island Hospital.</b>
(2) <b>Canadian Orthopaedic Foundation</b>	1994	\$ 10,000.00	<b>P.I.</b> <b>Title:</b> <b>Use of DEXA (Dual Energy X-ray (Absorptiometry) in the evaluation of Regenerate Bone in Cases of Limb lengthening in a Canine Model</b>
(1) <b>Orthopaedic Research Institute Sainte-Justine Hospital</b>	1993 – 1994	\$ 14,000.00	<b>P.I.</b> <b>Title:</b> <b>Use of DEXA (Dual Energy X-ray (Absorptiometry) in the evaluation of Regenerate, Bone in Cases of Limb lengthening in a Canine Model</b>

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## 12. COLLABORATIONS & COLLABORATIVE PROJECTS:

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- (1) **The use of BMPs is mandibular distraction osteogenesis.**  
Collaboration with the divisions of Plastic Surgery with Dr. L. Lessard, Chief of Division of Plastic Surgery, McGill University, and the division of ENT at McGill University.
- (2) **Dr. Maryam Tabrizian, Ph.D.,** Professor, Department of Biomedical Engineering, McGill University. I have been collaborating with Dr. Tabrizian for the last 14 years (peer reviewed grants, graduate students, publications..). Most recently, for the last 5 years, we collaborated in the development of a nanoparticle delivery system for BMPs.
- (3) **Dr. Vicki Rosen, Ph.D.,** Professor of Molecular Biology, Harvard University. Dr. Rosen is an authority on BMPs and, since 2006, she has been helping and guiding me, and collaborating with me in my basic science research. We had 2 abstracts and one publication. We also submitted research grants together.
- (4) **Dr. Peter Kloen, M.D., Ph.D.,** Orthopaedic Surgeon, Trauma Unit, Academic Medical Centre, Amsterdam, the Netherlands. We started to collaborate in 2008, on the role of BMP antagonists in fracture healing and non-unions. We had 2 abstracts.
- (5) **Dr. Bruno Dohin, M.D., Ph.D.,** Professor and head of Orthopaedics, Ste.Etienne, France. Dr.Dohin spent 3 months with us in 2008.
- (6) **Dr. John Birch, MD.,** Professor of Orthopaedics and Assistant Chief of Staff, Texas Scottish Rite Hospital for Children, Dallas, Texas, USA.

### 13. MEMBER OF PEER REVIEW COMMITTEES GRANTS/REVIEWER FOR JOURNAL/MEMBER OF EDITORIAL BOARD/EXTERNAL-INTERNAL REVIEWER/MEMBERSHIP

- (1) Member CIHR (Canadian Institutes for Health Research) Fellowship Committee - **2008 to present**
- (2) Regular member, CIHR Canadian Institutes of Health Research - University/Industry Committee – **2005 to present.**  
Member, CIHR Clinical Investigation Committee B, 2014
- (3) CIHR/NSERC grant Dr. I. Villemure, 2012
- (4) PSI Grant Dr. D. Lam , 2012
- (5) Member, Scientific Committee of the Academic Chair in Paediatric Spinal deformity DePuy, CHU Ste-Justine, Université of Montreal. Holder of the chair: Dr. Stephan Parent. Meeting May 4, 2011. Ste-Justine Hospital, Montreal
- (6) NSERC (Natural Sciences and Engineering Research Council of Canada)  
Collaborative Health Research Program (CHRP)  
Validation of a Chitosan-PEG-FA nanoparticle platform for siRNA and gene therapy  
PI: Dr. J. Fernandes , October 2010
- (7) National Research Council of Singapore: Implantation of BMP DNA microfibers and bone graft: A synergistic approach for enhancing bone regeneration and union in a critical size defect model - IRG10may087, July 2010
- (8) Reviewer for NIH Program PO1 (large Orthopaedic Program Grant on Acceleration of Bone Formation – November 2008
- (9) FRSQ, Emerging Team Grants, September Competition 2007 (*Réseau de la santé buccodentaire et osseuse*)
- (10) Sheffield Hospital Charitable Trust, UK  
I reviewed a grant in May 2007: Botulinum toxin: an adjunct in limb reconstruction - can it reduce pain and joint complications?
- (11) Arthritis Research Campaign, UK . I reviewed a grant in March 2007: An Investigation into FGF18 and Wnt signalling in chondrocytes following trauma. By Professor RM Aspden, Dept of Orthopaedic Surgery, University of Aberdeen, UK
- (12) Ontario Foundation's Grants Committee – January 2005.  
Modulating Hedgehog and Beta-catenin Signalling in Osteoarthritis and Cartilage Repair.  
U.S. Civilian Research & Development Foundation (CRDF), USA
- (13) I reviewed a grant in January 2006: The Development and Clinical Trials of the Computer Aided System for Limb Lengthening
- (14) Invited Scientific Officer, CIHR – Canadian Institutes of Health research, - Clinical Investigation Committee, May 2004
- (15) Regular Member, CIHR - Canadian Institutes for Health Research – Clinical Investigation Committee, December 2001 to December 2003.
- (16) International Reviewer, MRC Hong Kong. (2002)
- (17) Invited Member, Medical Research Council of Canada, Clinical Investigation Committee, June 2000.

### EDITORIAL Membership/ REVIEWER OF JOURNALS

1. Reviewer of the Journal of Tissue Engineering and Regenerative Medicine; received an award certificate for reviewing 2 manuscripts in 2017
2. Associate Edit Anatomical and technical factors associated with superior facet joint violation in lumbar fusion or, Journal Limb Lengthening & Reconstruction 2016 – present
3. Reviewer :
  - (1) Journal of Paediatric Orthopaedics (Regular Consultant Reviewer- since 2006)
  - (2) Paediatrics and Child Health

- (3) Growth Factors
- (4) Journal of Bone and Mineral Research
- (5) Journal of Histochemistry and Cytochemistry
- (6) Canadian Journal of Surgery
- (7) Histology and Histopathology
- (8) Bone
- (9) Journal of Orthopaedic Research
- (10) Calcified Tissue International
- (11) Acta Biomaterialia
- (12) Orthopaedics
- (13) Cytotherapy

### **EXAMINER OF THESIS (Master degree)**

- (1) Caroline Demers – Ecole de Polytechnique, Montreal, 2001
- (2) E. Corsi – Ecole de polytechnique, Montreal, 2002
- (3) Patrick Lavigne - Chirurgie, University of Montreal (September 2003)
- (4) Eva Wikholm - Department of Human Genetics, McGill University, (December 2004)
- (5) Manuela Mandu – Faculty of dentistry, McGill University (November 2006)
- (6) Fares Hamade – Department of Human Genetics 2008
- (7) Norine Alam – Department of Human Genetics 2008
- (8) Christina Holmes \_ Department of Biomedical Engineering, McGill University 2008
- (9) Alain Circo - Ste.Justine Hospital, University of Montreal, March 2009
- (10) Abdalla Hussein, Division of Experimental Surgery, 2011  
Thesis: Bone formation during fracture repair in mice deficient for the cyp24a1 gene
- (11) Saber Ghadakzadeh, February 25, 2016 from 13h00 to 15h00 – PhD Committee for Saber MD., MSc, Ph.D. – Division, February 23, 2017 - External Reviewer – Noggin siRNA manuscript.

### **EXTERNAL EXAMINER (Ph.D. Thesis)**

- (1) Simon Kelly, Toronto, July 21, 2016
- (2) Genevieve Drouin, Ph.D., Biologie cellulaire, University of Sherbrooke 2012
- (3) David Bell, Orthopaedics University of South Wales, Australia, 2010

### **INTERNAL REVIEWER – (for McGill, MCH Research Institute and others)**

- (1) **FRSQ application** : Dr. Robert Konekoop - Ophthalmology - September 2004
- (2) **CIHR application (operating grant)** :Dr. Sam Daniel – Department of ENT – 2004,)
- (3) **Clinical Research:** McGill University-Montreal Children’s Hospital Research Institute.  
Surveillance of diseases caused by nontuberculous mycobacteria in Canadian Children. 2004.
- (4) **CIHR application** : Dr.Sam Daniel, September 2005
- (5) **CIHR application** : Dr.Annie Phillip, December 2005
- (6) **Internal review:** The effects of ischaemia on the prepubertal rodent testis: the protective role of hypothermia. Dr.M. El-Sherbiny, O. Loutouchin, J.P. Capolicchio, J. Jednak, 2006
- (7) **CIHR application:** Effects of chronic hypoxia in early life on cardiac gene expression and function. Dr. Charles Rohlicek, 2006
- (8) **CIHR application** : Dr. Isabelle Villemure, (Ste-Justine Hospital) September 2009
- (9) **CIHR application** : Pierre Moffatt September 2009

### **MEMBERSHIP RESEARCH SOCIETIES:**

- (1) Member, Centre for Bio-recognition and Biosensors, McGill University, 2006 to present.
- (2) Member of FRSQ: Réseau de Recherche en Santé Buccodentaire et Osseuse. Classed first for FRSQ funding with a cote of 4,7 of 5. 2006 to present.
- (3) Member, Musculo-skeletal axis, Research Institute, McGill University.

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## **14. PERSONAL DEVELOPMENT**

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### **COURSES FOLLOWED IN LEADERSHIP**

- (1) **Lessons in Leadership:** "The Leadership Compass: Make your organization's Vision a Reality." by Steven Covey. organized by McGill University Centre for Continuing Education.  
October 28, 1998 , Montreal
- (2) **Leadership Skills for Shaping the Future.**  
Physician Manager Institute Courses developed by the Canadian Medical Association and the Canadian College of Health Service Executives.  
September 19 to 21, 1999, Edmonton, Alberta
- (3) **Conflict Management and Negotiation Skills for Effective Physician Managers**  
Physician Manager Institute Courses developed by the Canadian Medical Association and the Canadian College of Health Service Executives.  
April 30 to May 2, 2000, Niagara-on-the-Lake, Ontario
- (4) **How to deal with Employee concerns and complaints.** Audio Conference . Career Track, Park **University Enterprises.** January 14, 2010
- (5) **Effective Leadership .** Two days course organized by McGill Executive Institute.  
May 26 – 27, 2010, Montreal
- (6) **Le médecin gestionnaire – pourquoi pas?** Quebec City. November, 2012

### **COURSES ON ETHICS**

Online Training Course from the Ministère de la Santé et des Services Sociaux du Quebec, on ETHICS – necessary before I joined the McGill University IRB July 2006

## **COURSES, WORKSHOPS & CONFERENCES TO IMPROVE TEACHING AND EVALUATION OF STUDENTS**

- (1) **Teaching when there is no time to teach: Strategies and techniques,**  
McGill University workshop – November 18, 2004
- (2) **Designing successful workshops** – McGill University, December 9, 2004
- (3) **Program Director Workshop:** November 14, 2007.  
This workshop addressed the following topics:
  - Accreditation: Getting ready for a review
  - The MMI as an interview technique
  - Health Advocacy: the difficult CanMeds Role
- (4) **Medical simulation** (High fidelity, standardized patients, workshops...) Faculty workshop. McGill University January 28, 2008
- (5) **Demystifying the Evaluation and Appeal Process.** Program Director Workshop, McGill University. November 12, 2008.
- (6) **Exploring ways to Help Integrate International Medical Graduates.**  
Program Directors Workshop. McGill University April 22, 2009
- (7) **The use of simulation for assessment: surgical education and training reconsidered.**  
Visiting Professor Lecture: Dr. Carla Pugh, McGill University September 17, 2009
- (8) **Integrating CanMeds competencies (manager, collaborator, health advocate, communicator, and scholar, professional) in the clinical setting.** Workshop. Advanced clinical teaching skills.  
Faculty development office, McGill University December 3, 2009
- (9) **First International meeting of the CUGH (Consortium for Universities on Global Health)** held at the NIH, in Bethesda, Maryland September 14, 15, 2009. Representatives from 58 Universities were invited to attend and only 2 from Canada, McGill & Toronto. The global message of this meeting was that through education, Universities can have a transforming force on Global Health.
- (10) **Professional Liability for Orthopaedic Surgeons. CanMeds competencies**  
Specifically communication (consent form).  
Workshop : Dr.C.F.Martin, FRCS, MBA. Director, regional Affairs, CMPA  
Montreal, February 4, 2010
- (11) **Teach the Teachers AO course McGill University** 2015- 2016  
This is a 6-week course (online and practical)

## 15. PUBLICATIONS

### PEER REVIEWED PUBLICATIONS

- (115) Kruck B, Zimmermann EA, Damerow S, Figge C, Julien C, Wulsten D, Thiele T, Martin M, **Hamdy R**, Reumann MK, Duda GN, Checa S, Willie BM. Sclerostin neutralizing antibody treatment enhances bone formation but does not rescue mechanically induced delayed healing. *J Bone Miner Res*. 2018 Sept;33(9):1686-1697. PMID: 29694687 **2018**
- (114) **Hamdy R.C.**, Bernstein M., Fragomen A.T., Rozbruch S.R. What's New in Limb Lengthening And Deformity Correction. *J Bone Joint Surg Am*. 2018 Aug 15;100(16):1436-1442. PMID: 30106829 **2018**
- (113) Veilleux LN, AlOtaibi M, Dahan-Oliel N, **Hamdy RC**. Incidence of knee height asymmetry in a paediatric population of corrected leg length discrepancy: a retrospective chart review study. *Int Orthop*. 2018Aug;42(8):1979-1985. PMID: 29387916 **2018**
- (112) Morcos MW, Al-Jallad H, Li J, Farquharson C, Millan J.L., **Hamdy R.C.**, Murshed M. PHOSPHO1 is essential for normal bone fracture healing: An Animal Study. *Bone Joint Res*. 2018 Jul 7;7(6):397-405. ECollection 2018 Jun. PMID: 30034793 **2018**
- (111) Dahan-Oliel N, Bedard T, Darsaklis V.B, Goslin Hall J, van Bosse H.J.P., **Hamdy R.C**. Development of a research platform for children with arthrogryposis multiplex congenita: study protocol for a pilot registry. *BMJ Open* 2018 Jun 30;8(6):e021377. PMID: 29961027 **2018**
- (110) Fortin M, Dahan-Oliel N, Montpetit K, Narayanan U, Saint-Martin C, **Hamdy R**. Radiological and clinical findings following distraction osteogenesis of the lower limb in children with or without botox injection: A preliminary report. *Journal of Limb Lengthening & Reconstruction* 2018 May;4(1):41-48. **2018**
- (109) Aldebeyan S, Sinno H, Alotaibi M, Makhdum AM, **Hamdy RC**. Utility Outcome Assessment of Pes Planus Deformity. *Foot Ankle Surg*. 2018 Apr;24(2):119-123. PMID: 29409229 **2018**
- (108) Kloen P., Donders JCE., Eekhoff EMW, **Hamdy RC**. Pauwels Osteotomy for Femoral Neck Nonunion in Two Adult Siblings with Osteogenesis Imperfecta. *Hip Pelvis* 2018 Mar;30(1):53-59. PMID: 29564298 **2018**
- (107) Alzahrani MM, Anam E, AlQahtani SM, Makhdum AM, **Hamdy RC**. Strategies of enhancing bone regenerate formation in distraction osteogenesis. *Connect Tissue Res*. 2018 Jan;59(1):1-11. doi: 10.1080/03008207.2017.1288725. PMID: 28165797 **2018**
- (106) Kizilay Mancini O, Lora M. Cuillerier A, Shum-Tim D, **Hamdy R**, Burelle Y, Servant MJ, Stochaj U, Colmegna I. Mitochondrial Oxidative Stress Reduces the Immunopotency of Mesenchymal Stromal Cells In Adults with Coronary Artery Disease. *Circ Res*. 2018 Jan 19;122(2):255-266. PMID: 29113965 **2018**
- (105) Ashby, E., Monpetit, K., **Hamdy, R.**, Fassier, F. Functional outcome of forearm rodding in children with osteogenesis imperfecta" *Journal Paediatric Orthopaedics*. 2018 Jan;38(1):49-53 PMID: 26866647 **2018**
- (104) Alassaf N, Saran N, Benaroch T, **Hamdy RC**. Combined pelvic and femoral reconstruction in children with cerebral palsy *J Int Med Res*. 2018 Jan: 46(1)475-484 doi: 10.1177/03000060517723797 PMID: 28823214 **2018**
- (103) Ghadakhzadeh S, **Hamdy RC**, Tabrizian M. Efficient in vitro delivery of Noggin siRNA enhances osteoblastogenesis *Heliyon* 2017 Nov 12;3(11):e00450. Doi: 10.1016/j.heliyon.2017 PMID: 29167826 **2017**
- (102) **Hamdy C. R.**, Bernstein ,M., Fragomen, A., Rozbruch, R. : What's New in Limb Lengthening and Reconstruction. *J Bone Joint Surg Am*. 2017 Aug 16;99(16):1408-14. PMID: 28816903 **2017**
- (101) Alabdulkarim Y, Ghalimah B, Al-Otaibi M, Al-Jallad HF, Mekhael M, Willie B, **Hamdy RC**. **2017**



**Erratum:** Recent advances in bone regeneration: The role of adipose tissue-derived stromal vascular fraction and mesenchymal stem cells.

J Limb Lengthen Reconstr 2017;3:2-123. Date Web Publication: August 22, 2017

- (100) Alabdulkarim Y, Ghalimah B, Al-Otaibi M, Al-Jallad HF, Mekhael M, Willie B, Hamdy RC **2017**  
Recent advances in bone regeneration: The role of adipose tissue-derived stromal vascular fraction and mesenchymal stem cells.  
J Limb Lengthen Reconstr 2017;3:1;4-18. Date Web Publication: March 15, 2017
- (99) Alassaf N, Saran N, Benaroch T, **Hamdy R.C.** **2017**  
Combined pelvic and femoral reconstruction in children with cerebral palsy.  
J Int Med Res. August 21, 2017 DOI: 10.1177/0300060517723797
- (98) Alzahrani MM, Makhdom AM, Rauch F, Lauzier D, Kotsiopriftis M, Ghadakzadeh S, **Hamdy RC.** **2017**  
PMID: 28823214  
Assessment of the effect of systemic delivery of sclerostin antibodies on Wnt signaling in In distraction osteogenesis.  
J Bone Miner Metab. 2017 Jun 24. doi: 10.1007/s00774-017-0847-2. [Epub ahead of print]
- (97) Alzahrani MM, Anam E, AlQahtani SM, Makhdom AM, **Hamdy RC** **2017**  
Strategies of Enhancing Bone Regenerate Formation in Distraction Osteogenesis  
Connect Tissue Res. 2017 Feb 6:1-11. PMID: 28165797
- (96) Sultan Aldebeyan, Hani Sinno, Mohammed Alotaibi, Asim Makhdom, **Reggie C Hamdy** **2017**  
Utility Outcome Assessment of Pes Planus Deformity  
Foot and Ankle surgery PMID: 29409229 Available on Line: Dec 30, 2016 [In Press]
- (95) **Hamdy RC**  
Evolution in Deformity Correction in the post-Ilizarov era : External to Internal Fixation **2016**  
Journal Limb lengthening and Reconstruction. 2016;2:2:61–67. DOI: 10.4103/2455-3719.190703
- (94) Alzahrani MM, Alqahtani SM, Tanzer M, **Hamdy RC.** **2016**  
Musculoskeletal disorders among orthopedic pediatric surgeons: an overlooked entity.  
J Child Orthop. 2016 Oct;10(5):461-466. PMID: 27538942
- (93) **Hamdy C. R.**, Bernstein, M., Fragomen, A., Rozbruch, R. **2016**  
What's New in Limb Lengthening and Reconstruction.  
J Bone Joint Surg Am. 2016 Aug 17;98(16):1408-15. PMID: 27535441
- (92) Asim Makhdom, Hani Sinno, Sultan AlDebeyan, Adam Cota, **Reggie C. Hamdy,** **2016**  
Mohammad AlZahrani, Chantal Janelle  
Bilateral Hallux Valgus : A utility Outcome Score Assessment  
J Foot Ankle Surg. 2016 Sep-Oct;55(5):944-7
- (91) Mohammad Alzahrani, François Fassier, **Reggie C Hamdy** **2016**  
Use of the Fassier-Duval telescopic rod for the management of congenital pseudo arthrosis of the tibia  
Journal Limb Lengthening and Reconstruction 2016, Vol 2(1):23-28.
- (90) Saber Ghadakzadeh , Mina Mikhail, Ahmed Aoude, Maryam Tabrizian, **Reggie C. Hamdy** **2016**  
Small Players Ruling the Hard Game: siRNA in Bone Regeneration  
J Bone Mineral Research , 31 : 475 - 487
- (89) **Reggie Hamdy,** Montpetit Kathleen, Aiona Michael, William MacKenzie, vanBosse JP Harold, **2016**  
Unni Narayanan, Ellen M Raney, Ross Chafetz, Susan Sienko Thomas, Shannon Weir, Shelley Gregory, Petya Yorgova, Susan Takahashi, Mario Rinaldi, Xun Zhang, Noémi Dahan-Oliel:  
*Safety and efficacy of botulinum toxin A in children undergoing lower limb lengthening and deformity correction: results of a double-blind, multicenter, randomized controlled trial"*  
J Paediatr Orthop. Jan; 36(1) : 48 - 55
- (88) Nayef, L, Mekhail M, Benamur L, Rendon JS, **Hamdy R,** TabrizianM **2016**  
A Combinatorial Approach towards Achieving an Injectable, Self-Contained, Phosphate Releasing Scaffold for Promoting Biomineralization in Critical Size Bone Defects  
Acta Biomateriala . Jan 1; 29 : 389 - 97
- (87) Kelsey O'Hagan-Wong, Stéphanie Nadeau, Audrey Carrier-Leclerc, Felipe Apablaza, **2016**  
**Reggie Hamdy,** Dominique Shum-Tim, Francis Rodier and Inés Colmegna

- Increased IL-6 Secretion by Aged Human Mesenchymal Stromal Cells Disrupts Hematopoietic Stem and Progenitor Cells Homeostasis  
Oncotarget. 2016 Mar 22;7(12):13285-96.
- (86) Alzahrani MM, Rauch F, **Hamdy RC**. **2016**  
Does Sclerostin Depletion Stimulate Fracture Healing in a Mouse Model?  
Clin Orthop Rel Res. 2016 May;474(5):1294-302.
- (85) David Alcoloumbre, **Reggie C. Hamdy** **2016**  
Outcomes of conservative management of wound dehiscence in pediatric patients post-cavus foot surgery: a case series  
Plastic and Reconstructive Surgery Global Open. 2016 Jan 7;3(12):e590
- (84) Kishta W, Abduljabbar FH, Gdalevitch M, Rauch F, **Hamdy R**, Fassier F. **2016**  
Hip Dysplasia in Children with Osteogenesis Imperfecta: Association With Collagen Type I C-Propeptide Mutations.  
J Pediatr Orthop. 2016. June 2 [Epub ahead of print]
- (83) Morcos MW, Al-Jallad H, **Hamdy R**. **2015**  
Comprehensive Review of Adipose Stem Cells and Their Implication in Distraction Osteogenesis and Bone Regeneration.  
Biomed Res Int. 2015;2015:842975. Epub 2015 Sep 13.
- (82) Makhdoum AM, Cartaleanu A, Rendon S, Villemure I, and **Hamdy R**. **2015**  
The Accordion Maneuver: A Noninvasive Strategy for Absent or Delayed Callus Formation in Cases of Limb Lengthening"  
Advances in Orthopaedics. 2015:912790
- (81) **Hamdy RC**. **2015**  
CORR Insights®: How Do Different Anterior Tibial Tendon Transfer Techniques influence Forefoot and Hindfoot Motion?  
Clin Orthop Relat Res. May; 473 (5): 1744 – 1746
- (80) Anam, E., Rauch, F., Fassier, F., **Hamdy, R.C.**: **2015**  
Osteotomy Healing in Children with Osteogenesis Imperfecta Receiving Bisphosphonate Treatment  
JBMR Aug; 30(8) : 1362 - 1368
- (79) Jennifer Downey, Dominique Lauzier, Peter Kloen, Klaus Klarskov, Martin Richter **Reggie Hamdy**, Nathalie Fauchoux, Anthony Scimè, Frédéric Balg, and Guillaume Grenier **2015**  
Prospective Heterotopic Ossification Progenitors in Adult Human Skeletal Muscle  
Bone. Feb;71:164-70.
- (78) Bassit A-C, Moffatt P, Gaumond M-H and **Hamdy R** **2015**  
The Potential Use of Nanoparticles for Noggin siRNA Delivery to Accelerate Bone Formation in Distraction Osteogenesis  
Nanomedicine & Nanotechnology, 6 : 257 - 265
- (77) Makhdoum A., ANayaf L., Tabrizian M., **Hamdy, R.C.**, **2015**  
The potential role of nanobiomaterials in Distraction Osteogenesis  
Nanomedicine. January 2015, Volume 11, Issue 1, Pages 1–18
- (76) Alzahrani MM, Anam EA, Makhdoum AM, Villemure I, **Hamdy RC** **2014**  
The effect of altering the mechanical loading environment on the expression of bone regenerating molecules in cases of distraction osteogenesis.  
Front Endocrinol (Lausanne). 2014 Dec 10;5:214.
- (75) Nayef L., Rendon J. S., Matthys R., **Hamdy R.**, Tabrizian M. **2014**  
Liposome-Encapsulated Quantum Dots for Imaging of a Rat Model of Distraction Osteogenesis  
Journal of Nanopharmaceutics and Drug Delivery. Volume 2, Number 2, June 2014, pp. 93-102(10)
- (74) Parent A, Pouliot-Laforte A, Laberge M, **Hamdy R**, Rochelle R, Ballaz L. **2014**  
Articulated vs. fixed carbon-fibre prosthesis after transmetatarsal amputation: a case study.  
Comput Methods Biomech Biomed Engin. 2014 Aug;17 Suppl 1:106-7.

- (73) Asim Makhdom, Fan Jiang, **Reggie Hamdy**, Thierry Benaroch, Martin Lavigne and Neil Saran **2014**  
Hip Joint Osteochondroma; Systematic Review of the Literature and Report of Three Further Cases,  
Advances in Orthopaedics. 2014;2014:180254
- (72) **Hamdy, C.R.**, Makdom,A., Saran, N., Birch,J. **2014**  
Congenital Fibular Deficiency  
J Am Acad Orthop Surg. 2014 Apr;22(4):246-55.
- (71) Carli, A., Leblanc, E., Amitai,A., **Hamdy, R.C.** **2014**  
The Evaluation and Management of Pediatric Tarsal Coalitions  
J Bone Joint Surg : Reviews. August issue, Vol.2, Issue 8
- (70) Makdom, A., Rauch, F., **Hamdy, R.C.** **2014**  
The Effects of Systemic administration of Sclerostin Antibodies on bone formation in a mouse model of  
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## LETTERS TO EDITORS

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## EDITOR OF BOOKS OR MONOGRAPH

- |   |             |
|---|-------------|
| 1. <b>Editor of Monograph from the American Academy of Orthopaedic Surgeons:</b><br>Management of limb Length Discrepancy. Includes 23 authors.<br>(Co-editor: Dr.J.McCarthy)   | <b>2012</b> |
| 2. <b>ATLAS of limb Deformities, Editors : R.Rozbruch, R.Hamdy</b><br>Publishers Springer, Heidelberg, Germany (to be published April 2015)<br>This is a publication of the LLRS, includes two Volumes, with 330 cases from numerous Contributors from 12 countries. It is a Major Reference Work . Includes several sections :<br>Paediatrics (Volume 1) , Volume 2 includes Adult Deformity, trauma, Foot and Ankle,<br>Tumours and Upper Limb. | <b>2015</b> |
| 4. <b>Pelvic and Proximal Femoral Osteotomies</b> – a Clinical Case Book. Editors: <b>Reggie C. Hamdy</b> , Neil Saran<br>Publishers Springer in April 2018   |             |

## NON PEER REVIEW PUBLICATIONS

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| (16) | <b>Hamdy, R.C.</b><br>Management of Hip Problems in patients with Cerebral Palsy.<br>19 <sup>th</sup> Ste-Justine Paediatric Orthopaedic Review Course. April 2006.  | <b>2006</b> |
| (15) | <b>Hamdy, R.C.</b><br>Avascular Necrosis of the Femoral Head in Adolescents.<br>18 <sup>th</sup> . Ste-Justine Paediatric Orthopaedics Review Course. March 28, 2005.  | <b>2005</b> |
| (14) | <b>Hamdy, R.C.</b><br>Bone Graft Substitutes.<br>LLRS/ASAMI meeting, Toronto, Canada, July 26 – 28, 2004.  | <b>2004</b> |
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| (12) | <b>Hamdy, R.C.</b><br>Rational for Pelvic Osteotomies: Where, When, and How? Syllabus.<br>15 <sup>th</sup> Ste-Justine Paediatric Orthopaedics Review Course. March 28, 2002.  | <b>2002</b> |
| (11) | <b>Hamdy, R.C.</b><br>Vertical Talus.<br>13 <sup>th</sup> Ste-Justine Paediatric Orthopaedics Review Course.<br>Syllabus. pp. 119-124. April 2000  | <b>2000</b> |
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