

Curriculum Vitae

Imad Nahle, MD

Adult & Pediatric Spine Surgery

Pediatric Orthopaedic Surgery

Personal Information

Date of Birth: July 15th, 1983
Nationality: Lebanese
Status in Canada: Permanent resident card holder

Contact Information

Mailing Address: Ras Beirut, Hamra, Abdul Aziz street, building: Hamra 489,
13th floor - Beirut, Lebanon
Mobile: (+961) 70 7777 45
E-mail: inahle@gmail.com

Areas of Expertise and Interest for Future Career

- Medical and surgical management of the adult spine (Cervical and thoracolumbar spine) – Trauma/Degenerative Disc Disease/Degenerative Scoliosis/Tumor/Spondylodiscitis.
- Minimally invasive spine surgery (Percutaneous pedicular fixation under fluoroscopy/ O-arm navigation/ALIF/OLIF/Tube discectomy)
- Medical and surgical management of the pediatric spine (trauma, idiopathic scoliosis, spondylolisthesis, neuromuscular scoliosis and congenital scoliosis)
- Thoracoscopic anterior tethering for idiopathic scoliosis (Minimally invasive fusionless technique)
- Management of the pediatric orthopaedic trauma
- Medical and surgical management of the pediatric hip
- Management of the clubfoot (Ponseti technique and surgical correction)
- Management of complex pediatric congenital limb deformities
- Comprehensive management of gait disturbance and cerebral palsy patients
- Management of general orthopaedic conditions
- Management of general orthopaedic trauma
- Interest in spine and pediatric orthopaedic research and academic teaching

Languages

- **English** Fluent in speaking, writing, and reading
- **French** Fluent in speaking, writing, and reading
- **Arabic** Fluent in speaking, writing, and reading

Orthopaedic Surgery Practice

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| Feb. 2020 – Present | Consultant in Pediatric Orthopaedic and Spine & Scoliosis Surgery – Clemenceau Medical Center (Affiliated with Johns Hopkins International), Beirut – Lebanon |
| Nov. 2022 – Present | Clinical Assistant Professor of Orthopaedic Surgery – University of Balamand, Beirut – Lebanon |
| July 2023 – August 2023 | Locum Consultant Orthopaedic Surgeon Moncton Hospital, New Brunswick – Canada |

Education

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| Nov. 2018 – Nov. 2019 (1-year program) | Clinical Fellow in Pediatric Orthopaedic Surgery University of Montreal, Qc – Canada Sainte-Justine University Hospital Center (Children’s Hospital) Shriners Hospital, Montreal, Qc – Canada (Children’s Hospital) |
| Nov. 2016 – Nov. 2018 (2-year program) | Clinical Fellow in Spine and Scoliosis Surgery University of Montreal, Qc - Canada <ul style="list-style-type: none">• Pediatric Scoliosis Surgery, and General Pediatric Trauma Calls Sainte-Justine University Hospital Center Children’s hospital – Trauma referral center– (1 year)• Adult Spine Trauma, Spine Deformities, Spine Tumors and Degenerative Spine Sacré-Cœur University Hospital Center – Montreal, Qc, Canada Adult’s hospital – Trauma referral center – (1 year) |
| Nov. 2015 – Oct. 2016 (1-year program) | Clinical Fellow in Orthopaedic Trauma (DFMS – Diplôme de Formation Médicale Spécialisée en Chirurgie Orthopédique et Traumatologique) Centre Hospitalier Universitaire de la Pitié-Salpêtrière - Level 1 Trauma Center, (Service du Pr Hugues Pascal-Mousselard) – Paris - France |
| June 2009 – June 2015 (6-year program) | Residency in Orthopaedic Surgery American University of Beirut Medical Center – Beirut, Lebanon |
| August 2005 – June 2009 (4-year program) | Doctor of Medicine American University of Beirut Medical Center – Beirut, Lebanon |
| Sept. 2001 – June 2004 (3-year program) | Bachelor of Science [Biology] American University of Beirut– Beirut, Lebanon Faculty of Arts and Sciences |
| June 2001 | High School - Lycée Abd El Kader – Beirut, Lebanon June 2001 -French Baccaalaureate / Sciences de la Vie et de la Terre July 2001 -Lebanese Baccaalaureate / Life Sciences |

Board Examinations - Licensure

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| July 2023- July 2024 | Locum Consultant Orthopaedic Surgeon License – New Brunswick, Canada |
| October 2015 | United States Medical Licensing Examinations (USMLEs) <ul style="list-style-type: none">▪ USMLE STEP 2CK – Passed [2015]▪ USMLE STEP 2CS – Passed [2014]▪ USMLE STEP 1 – Passed [2013]▪ ECFMG Certification – Issued in October 2015 |
| July 2009 | Lebanese Medical Board Examination (Colloquium) –Passed |

Grants & Awards

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|---------------|---|
| November 2018 | Pierre-H Labelle Prize – Best Papers Award – 48 th Annual Reunion of Quebec Scoliosis Society (SSQ 2018). [Bromont, Qc, Canada – 1-3 November 2018] Interobserver Agreement in Scoliosis Screening in a Multidisciplinary Clinic. Nahle IS , Joncas J, Labelle H, Barchi S, Faucher E, Chemaly O, Poirier MP, Poliquin ME, Sarda M, Beauséjour M |
| July 2018 | Best Papers Award – The 11th Annual Meeting of the International Musculoskeletal Society (IMS 2018), Beirut – Lebanon « The Impact of Surgical Reduction of High-Grade Lumbosacral Spondylolisthesis on Proximal Femoral Angle and Quality of Life » Nahle IS , Labelle H, Parent S, Joncas J, Macthiong JM |
| November 2016 | 40,000 \$ CAD – Research Grant - Bourse en Jumelage de Fonds du CHU Ste-Justine |

Teaching Experience

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|-------------------|--|
| Nov. 2022-Present | Clinical Assistant Professor of Orthopaedic Surgery – University of Balamand, Beirut – Lebanon |
| April-May 2019 | Instructor at the University of Montreal – Montreal, Quebec The MMD1234 musculoskeletal 28-hr-course for medical students, Director of the course: Véronique Godbout, MD drgodbout@gmail.com |
| April-May 2018 | Instructor at the University of Montreal – Montreal, Quebec The MMD1234 musculoskeletal 28-hr-course for medical students, Director of the course: Constantin Stanciu, MD Constantin_Stanciu@SSSS.gouv.qc.ca |
| May-June 2017 | Instructor at the University of Montreal – Montreal, Quebec The MMD1234 musculoskeletal 28-hr-course for medical students, Director of the course: Constantin Stanciu, MD |

Publications

[Articles]

1. **Imad S Nahle MD**, Marie-Claude Miron MD, Guy Grimard MD, Ahmad Abu Zeid MD, Panagiotis (Peter) Glavas MD. Ultrasound measurements in Clubfoot treated with the Ponseti Method and Risk Factors for Recurrence: a retrospective study. *J of Child Orthop*, Feb 2022, v16 issue: 1, page(s): 46-54. doi: 10.1177/18632521221080024
2. J Shen, **IS Nahle**, A Alzakri, M Roy-Beaudry, J Joncas, I Turgeon, S Parent. Anterior vertebral body growth modulation for idiopathic scoliosis: early, mid-term and late complications. *Stud Health Technol Inform*. 2021 Jun 28;280:257-258. doi: 10.3233/SHTI210486
3. J Shen, **IS Nahle**, A Alzakri, M Roy-Beaudry, I Turgeon, J Joncas, S Parent. The clinical significance of tether breakages in anterior vertebral body growth modulation: a two-year post-operative analysis. *Stud Health Technol Inform*. 2021 Jun 28;280:308. doi: 10.3233/SHTI210518
4. Kaddioui H, Duong L, Joncas J, Bellefleur C, **Nahle I**, Chémaly O, Nault M-L, Parent S, Grimard G, Labelle H. Convolutional Neural Networks for Automatic Risser Stage Assessment. *Radiology: Artificial Intelligence*. 2020;2(3):e180063. doi: 10.1148/ryai.2020180063
5. Knez D, **Nahle IS**, Vrtovec T, Parent S, Kadoury S. Computer-assisted pedicle screw trajectory planning using CT-inferred bone density: a demonstration against surgical outcomes. *Med Phys*. 2019. Aug;46(8):3543-3554. doi: 10.1002/mp.13585
6. **Nahle IS**, Labelle H, Parent S, Joncas J, Macthiong JM. The Impact of Surgical Reduction of Lumbosacral High-Grade Spondylolisthesis on Proximal Femoral Angle and Quality of Life. *Spine J*. 2019 Apr;19(4):670-676. doi: 10.1016/j.spinee.2018.10.001
7. Dejan Knez, **Imad S. Nahle**, Tomaz Vrtovec, Stefan Parent, Samuel Kadoury: Computer-assisted pedicle screw placement planning: Towards clinical practice. *ISBI 2018*: 249-252. doi.org/10.1109/ISBI.2018.8363566
8. Mahsa Shakeri, **Imad S. Nahle**, Eric Finley, Samuel Kadoury. Inter-vertebral disk modelling from pairs of segmented vertebral models using trainable pre-processing networks. *ISBI 2018*: 1122-1125. doi.org/10.1109/ISBI.2018.8363768
9. **Nahle IS**, Hammam MS, Masrouha KZ, et al. Back Pain: A Puzzle in Children. *J Paediatr Child Health*. 2016 Aug;52(8):802-8. doi: 10.1111/jpc.13291
10. Al-Taki MM, **Nahle IS**, Al-Kutoubi A, et al. Posterior dislocation of a discoid meniscus in a child: a case report. *J Pediatr Orthop B*. 2014 Jan 8.

doi:10.1097/BPB.000000000000023

11. Jurjus AR, **Nahle IS**, and Oueidat D. History of forensic medicine: From anatomy to DNA fingerprinting. *Journal of Clinical Laboratory* 3(6): 5-20, 2005

Submitted articles under review

1. Mohammad Daher, Sami Abi Farraj, Stefan Parent MD PhD, **Imad S Nahle MD**. Anterior vertebral body growth modulation for Idiopathic Scoliosis: Review of the literature. *The Lebanese science Journal*.
2. Félix Brassard, Julie Joncas, Olivier Chémaly, **Imad Nahlé**, Nabih Joukhadar, Mathilde Hupin Debeurme, Soraya Barchi, Stefan Parent. Le Rôle de l'Omnipraticien dans le Dépistage de la Scoliose. *Le Médecin du Québec Journal*.

[Book Chapters]

- Hamilton Bailey's Demonstration of Physical Signs in Clinical Surgery (2014). Lumley et al. (Eds.)
 - Chapter 6: Bones and Joints (authors: Al-Taki MM, **Nahle IS**)
 - Chapter 7: The Shoulder Girdle (authors: Al-Taki, **Nahle IS**)

[Abstracts]

1. **Nahle I**, Shen J, Roy-Beaudry M, Turgeon I, Joncas J, Parent S. Anterior Vertebral Body Growth Modulation for Idiopathic Scoliosis: Early, mid-term and late complications. *Can J Surg*. 2020 Jul; 63(4 Suppl 1): S7. doi.org/10.1503/cjs.014720
2. Shen J, **Nahle I**, Roy-Beaudry M, Turgeon I, Joncas J, Parent S. The clinical significance of tether breakages in anterior vertebral body growth modulation: A 2-year postoperative analysis. *Can J Surg*. 2020 Jul; 63(4 Suppl 1): S6–S7. doi: 10.1503/cjs.014720
3. **Imad Nahle**, Marie-Claude Miron, Guy Grimard, Peter Glavas. The role of ultrasound in the management of clubfoot recurrence. (Podium presentation @ 39th research day of the POES and the department of orthopaedic surgery at the University of Montreal. [Montreal, Qc, Canada – April 11th, 2019])
4. Mahsa Shakeri, **Imad Nahle**, Eric Finley, Samuel Kadoury. Inter-Vertebral Disk Modeling from Pairs of Segmented Vertebral Models Using Trainable Pre-Processing Networks. IEEE International Symposium on Biomedical Imaging (ISBI 2018, Washington DC- USA)
5. Dejan Knez, **Imad Nahle**, Tomaz Vrtovec, Stefan Parent, Samuel Kadoury. Computer-Assisted Pedicle Screw Placement Planning: Towards Clinical Practice. IEEE International Symposium on Biomedical Imaging (ISBI 2018, Washington DC- USA)
6. **Nahle IS**, Labelle H, Parent S, Joncas J, Macthiong JM. The Impact of Surgical Reduction of High-Grade Spondylolisthesis on Proximal Femoral Angle and Quality of Life. (Podium Presentation @ the International Society of Orthopedic Surgery and Traumatology (SICOT 2018, Montreal, Canada)
7. **Nahle IS**, Joncas J, Labelle H, Barchi S, Faucher E, Chemaly O, Poirier MP, Poliquin ME, Sarda M, Beauséjour M. Interobserver Agreement in Scoliosis Screening in a Multidisciplinary Clinic. (Poster Presentation @ the International Society of

Orthopedic Surgery and Traumatology (SICOT 2018, Montreal, Canada)

8. **Imad Nahle**, Dejan Knez, Tomaž Vrtovec , Stefan Parent, and Samuel Kadoury
Computer-assisted pedicle screw trajectory optimized with CT inferred bone mass density: a comparison to surgical outcomes. (Poster Presentation @ the International Society of Orthopedic Surgery and Traumatology (SICOT 2018, Montreal, Canada)
9. Jurjus AR, **Nahle IS**, and Oueidat D. Medico-legal medicine in Lebanon: A room for anatomy. The FASEB journal, 2005. 19(4): A780. San Diego, USA

[Journal Reviewer]

Journal of Case studies in Surgery (Peer-reviewed Journal)

Other Working Experience

March 2019- Oct 2019

Elective Moonlighting – Orthopaedic Surgery Ward

Shriners Hospitals, Montreal, Qc – Canada (Children’s Hospital)

July 2014- July 2015

Elective Moonlighting – Emergency Department

American University of Beirut Medical Center, Beirut, Lebanon

June-August 2005

Research Assistant

Washington University in Saint-Louis – Missouri, USA

School of Medicine, Department of internal medicine, Division of Geriatrics and Nutritional Science

- Cell culture, Polymerized Chain Reaction (PCR), electrophoresis, Western blot, mice dissection, serum and plasma extraction, dialysis, Immunoprecipitation by double labeling

Nada Abumrad, PhD, e-mail: nabumrad@im.wustl.edu

August 2004-June 2005

Research Assistant

American University of Beirut - Beirut, Lebanon Faculty of Medicine, Department of Human Morphology

- Rat and rabbit dissection, light microscopy (treatment, slide preparation, staining and analysis, immunostaining, mRNA extraction)

Abdo R Jurjus, PhD, e-mail: ajoo@aub.edu.lb

September 2004-June 2005

Research Assistant

American University of Beirut - Beirut, Lebanon

Faculty of Nutrition and Agriculture - Department of Nutrition and Food Sciences

- Preparation of study questionnaires, recruitment of subjects
- Data collection, exploration and statistical analysis using SPSS software

Sana Ghaddar, PhD

September 2004-June 2005

Volunteer

Saint-Jude Children Cancer Center –

American University of Beirut Medical Center - Beirut, Lebanon

Elective Training

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| July 2107 (1 week) | Elective rotation in Sports Medicine at McGill Orthopaedic Department St- Mary's University Hospital – Montreal, Quebec, Canada Moreno Morelli, MD , e-mail: mormcolc@hotmail.com |
| Sept. 2015 – Oct. 2015 (2 months) | Elective rotation in General Orthopaedic Surgery at Hôpital Hôtel-Dieu de France - Beirut, Lebanon Ismat Ghanem, MD , e-mail: ismat.ghanem@gmail.com |
| April 1-14, 2015 (2 Weeks) | Elective Rotation in Spine Surgery (Pediatric and Adult) at University of Montreal- Department of Orthopaedic Surgery, Montreal, Quebec, Canada Stefan Parent, MD, PhD , e-mail: stefan.parent@umontreal.ca |
| May 2013 (3 weeks) | Elective rotation in Pediatric Orthopaedic Surgery at Shriners Hospital - Portland, Oregon, USA Micheal Aiona, MD, e-mail: maiona@shrinenet.org |
| December 2012 (3 weeks) | Elective rotation in Spine Surgery at University of Iowa Health Care (UIHC) - Iowa City, Iowa, USA Department of Orthopaedics and Rehabilitation Joseph D. Smucker, M.D. Tel: 319-353-6883 Fax: 319-353-6754 |
| March 2009 (4 weeks) | Elective rotation in Orthopaedic Surgical Oncology at McGill University Health Center, Montreal, Quebec, Canada Robert Turcotte, MD, e-mail: robert.turcotte@muhc.mcgill.ca |
| February 2009 (4 weeks) | Elective rotation Arthroplasty at McGill University Health Center, Montreal, Quebec, Canada Micheal Tanzer, MD, e-mail: michael.tanzer@muhc.mcgill.ca William Fisher, MD, e-mail: william.fisher@muhc.mcgill.ca |
| January 2009 (1 month) | Elective rotation in General Orthopaedic Surgery at the American University of Beirut Medical Center, – Beirut, Lebanon |
| February 2008 (3 weeks) | Elective rotation in General Orthopaedic Surgery at the American University of Beirut Medical Center, – Beirut, Lebanon |
| July- August 2006 (7 weeks) | Elective rotation in General Orthopaedic Surgery at Universitätsklinikum Düsseldorf, Düsseldorf, Germany Pr. R. Krauspe – Chief of the orthopaedic department |

Conferences – Courses – Workshops – Presentations

- Invited speaker at Hotel-Dieu de France, Beirut, Lebanon [January 28th, 2024]
“Table ronde sur les troubles de la marche chez l’enfant”

- Grand Round speaker at Clemenceau Medical Center, Beirut, Lebanon [July 6th, 2023]
Physal Injuries at the knee and ankle: Case Discussions
- Lebanese Orthopaedic Society, Dbayeh Lebanon [May 19-20, 2023]
- 41st EPOS (European Paediatric Orthopaedic Society) Annual meeting, Krakow, Poland [March 29th- April 1st, 2023]
- Grand Round speaker at Clemenceau Medical Center, Beirut, Lebanon [January 12nd, 2023]
 - Pediatric Distal Humerus Supracondylar Fractures – A review
- Invited speaker at the 18th Annual congress of the Lebanese Pediatric Society Lebanese Pediatric Association – Lebanese Order of Physicians, Beirut, Lebanon [October 22nd, 2022]
 - Developmental Dysplasia of the Hip - An update for pediatricians and referring physicians
- Invited lecturer at Balamand University – Faculty of Medicine, Beirut, Lebanon [October 2022]
 - Osetomyelitis and septic arthritis (*Online presentation for medical students*)
- Invited lecturer at the American University of Beirut Medical Center (AUBMC) – division of neurosurgery surgery, Beirut, Lebanon [July 2020]
 - Update on the management of thoracolumbar fractures
- Ste-Justine Pediatric Orthopaedic Review Course (SPORC 2019) – Hands on cadaveric workshop for pelvic osteotomies [Shriners Hospitals, Montreal, Quebec, Canada, Feb 22-2, 2019]
- The Combined French Lebanese Pediatric Orthopaedic Conference. [USJ-CIS- Beirut, Lebanon June 13-15, 2019]
- 48th annual reunion of the Quebec Scoliosis Society (SSQ 2018). [Bromont, Qc, Canada – 1-3 Nov 2018]
 - The SICOT 2018 Orthopaedic World Congress, Montreal, Canada [10-13 Sept 2018]
 - The Impact of Surgical Reduction of High-Grade Spondylolisthesis on Proximal Femoral Angle and Quality of Life.
Nahle IS, Labelle H, Parent S, Joncas J, Macthiong JM (Podium Presentation)
 - Interobserver Agreement in Scoliosis Screening in a Multidisciplinary Clinic.
Nahle IS, Joncas J, Labelle H, Barchi S, Faucher E, Chemaly O, Poirier MP, Poliquin ME, Sarda M, Beauséjour M
 - Computer-assisted pedicle screw trajectory optimized with CT inferred bone mass density: a comparison to surgical outcomes
Imad Nahle, Dejan Knez, Tomaž Vrtovec , Stefan Parent, and Samuel Kadoury
- North American Spine Society – NASS 33th Annual Meeting – Los Angeles Convention Center, California, USA [September 25-28, 2018]
- Invited lecturer at the American University of Beirut Medical Center (AUBMC) – division of orthopaedic surgery, Beirut, Lebanon [July 2018]
 - A new perspective in pediatric scoliosis: Thoracoscopic anterior tethering

- The 11th Annual International Musculoskeletal Society meeting. [Beirut, Lebanon – July 8-10, 2018]
 - Interobserver Agreement in Scoliosis Screening in a Multidisciplinary Clinic. **Nahle IS**, Joncas J, Labelle H, Barchi S, Faucher E, Chemaly O, Poirier MP, Poliquin ME, Sarda M, Beauséjour M. (Podium presentation)
 - The Impact of Surgical Reduction of High-Grade Spondylolisthesis on Proximal Femoral Angle and Quality of Life.
Nahle IS, Labelle H, Parent S, Joncas J, Macthiong JM. (Podium presentation)
- Minimally Invasive Spine Surgery Course [Dallas, Texas, USA – May 19th, 2018]
Hands on cadavers: MIS pedicular fixation, MIS TLIF, pedicular instrumentation with Navigation, Lateral lumbar interbody fusion (XLIF, OLIF)
- 38th research day of the POES and the department of orthopaedic surgery at the University of Montreal. [Montreal, Qc, Canada – April 28th, 2018]
 - Interobserver Agreement in Scoliosis Screening in a Multidisciplinary Clinic. **Nahle IS**, Joncas J, Labelle H, Barchi S, Faucher E, Chemaly O, Poirier MP, Poliquin ME, Sarda M, Beauséjour M. (Podium presentation)
 - Computer-assisted pedicle screw trajectory optimized with CT inferred bone mass density: a comparison to surgical outcomes.
Imad Nahle, Dejan Knez, Tomaž Vrtovec, Stefan Parent, and Samuel Kadoury. (Podium presentation)
 - The Impact of Surgical Reduction of High-Grade Spondylolisthesis on Proximal Femoral Angle and Quality of Life.
Nahle IS, Labelle H, Parent S, Joncas J, Macthiong JM. (Podium presentation)
- 46th scientific journey of the department of surgery at the University of Montreal [Montreal, Qc, Canada – 19,20 April 2018]
Interobserver Agreement in Scoliosis Screening in a Multidisciplinary Clinic.
Nahle IS, Joncas J, Labelle H, Barchi S, Faucher E, Chemaly O, Poirier MP, Poliquin ME, Sarda M, Beauséjour M. (Podium presentation).
- 47th Annual Reunion for the Quebec Scoliosis Society (SSQ 2017). [Baie St-Paul, Charlevoix, Qc, Canada – 19-21 Oct 2017]
Computer-assisted pedicle screw planning from pre-operative CT: A quantitative comparison with post-operative 3D reconstructions
Imad S Nahle MD, Dejan Knez, Tomaž Vrtovec PhD, Stefan Parent MD, PhD, and Samuel Kadoury PhD. (Podium presentation).
- Studying congenital scoliosis on animal models. Performing fetal surgery on 8 animal models (sheeps). [CHU Sherbrooke, Quebec, Canada – 27 & 28 Sept 2017]
- 30th Ste-Justine Pediatric Orthopaedic Review Course (SPORC 2017) [Montreal, Quebec, Canada, March 8-10, 2017]
- Scoliosis Research Society, (SRS) 51st annual meeting and course [Prague Congress Center, Prague, Czech Republic, Sept 21-24, 2016]
- SFCR 2016 (Société Française de Chirurgie Rachidienne), [Centre des congrès, Lyon, France, 9-11 June 2016]
- Smith & Nephew Trauma Instructional Course Lecture [Madrid, Spain, 27-29 April 2016]

- 90e SOFCOT (Société Française de Chirurgie Orthopédique et Traumatologique), [Palais des Congrès, Paris, France, 9-12 November 2015]
- Lebanese Orthopaedic Association Meeting [Beirut, Lebanon, September 2015]
- International Musculoskeletal Society (IMS), formerly S.P.I.N.E. [Beirut, Lebanon, July 22-25, 2015]
- AAOS 2015 Meeting - American Academy of Orthopaedic Surgeons- 24 au 28 March 2015 Las Vegas, Nevada, USA
- Lebanese Orthopaedic Association Meeting, Sept 2014, Beirut, Lebanon
- Society for Progress and Innovation for the Near East (S.P.I.N.E.) [Beirut, Lebanon, August 2013, 2014]. Hands-on workshops in foot and ankle, cervico-thoracic approaches and MIS of the spine
- AO Trauma Course—Advanced Principles of Fracture Management [Beit Meri, Lebanon, April 2014]
- Society for Progress and Innovation for the Near East (S.P.I.N.E.) [Beirut, Lebanon 2013]. Hands-on workshops in UKA/TKA, TSA/Reverse TSA, shoulder girdle muscle transfers
- AO Trauma Course—Basic Principles of Fracture Management [Beit Meri, Lebanon, 2012]
- Society for Progress and Innovation for the Near East (S.P.I.N.E.) [Beirut, Lebanon, June 2011]
- Middle East Medical Assembly, 44th meeting. May, 2011. American University of Beirut Medical Center, Beirut, Lebanon
- Middle East Medical Assembly, 43rd meeting. April, 2010. American University of Beirut Medical Center, Beirut, Lebanon
- Middle East Medical Assembly, 42nd meeting. May, 2007. American University of Beirut Medical Center, Beirut, Lebanon

Membership in Professional, Medical & Cultural Societies

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| 2023-present | Member - New Brunswick Medical Society (NMBS) |
| 2020-present | European Pediatric Orthopaedic Society (EPOS) –Member |
| 2010- present | Member – Lebanese Order of Physicians |
| 2013- 2014 | President (elected out of 400 residents) – RSO Resident Staff Organization American University of Beirut Medical Center - Beirut, Lebanon |
| 2013-2014 | Member – RSQC- Resident Staff Quality Council American University of Beirut Medical Center - Beirut, Lebanon |
| August 2014- 2018 | Member – NASS - (North American Spine Society) International Resident Member - AAOS (American Academy of Orthopedic Surgeons) |

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| | International Resident Member – ACS (American College of Surgeons) |
| 2012-2013 | Member – RSO (Resident Staff Organization) American University of Beirut Medical Center - Beirut, Lebanon |
| 2005- 2008 | Lebanese Medical Students' International Committee (LeMSIC) part of the International Federation of Medical Students' Associations (IFMSA) National Officer – Standing Committee on Medical Education (SCOME)- 2007 Member – Standing Committee on Medical Education (SCOME) -2005-2007 Member – Standing Committee on Professional Exchange (SCOPE)- 2005-2007 |

Certificates

- BLS reCertified – American Heart Association BLS (Basic Life Support) course for Healthcare Providers – [September 2022]
- ATLS Certified (Instructor Potential) – American College of Surgeons (Advanced Trauma Life Support) course – [December 2014]
- ACLS Certified – American Heart Association ACLS (Advanced Cardiovascular Life Support) Course for Healthcare Providers – [December 2013]
- BLS Certified – American Heart Association BLS (Basic Life Support) course for Healthcare Providers – [December 2013]
- TEFAQ – Test d’Evaluation de Français, Québec – Level: Superior [Oct. 2011]
- Duke Infection Control Outreach Network Online Training Course for Central Venous Catheters [July 2011]
- First Aid Certification – Lebanese Red Cross, Beirut, Lebanon– [Dec. 2005]

Computer Literacy

Microsoft Office (PowerPoint, Excel, Access, Word)
EndNote, SPSS, Adobe (Professional), 3-D spine reconstruction using Idefx application, Vertebral segmentation using ITK-snap application

Other Interests

Hobbies: tennis, hiking, endurance running, ...

References

Available upon request