

CURRICULUM VITAE

Dr. Abdel-Rahman Aly, MB BCh, FRCPC, CSCN Dip., CIME, RMSK

(Updated January 2, 2024)

Calgary Musculoskeletal Center
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Professional Credentials:

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| • CIME | Certified Independent Medical Examiner American Board of Independent Medical Examiners (ABIME) | Dec. 2023 |
| • DESS | Insurance Medicine and Medicolegal Expertise University of Montréal, Montréal, QC, Canada | Dec. 2020 |
| • RMSK | Registered in Musculoskeletal ultrasonography. American Registry for Diagnostic Medical Sonography | Dec. 2014 |
| • CSCN Dip. | Canadian Society of Clinical Neurophysiologists Diplomat | June 2014 |
| • FRCPC | Fellow of the Royal College of Physician of Canada (Physiatry) | June 2014 |
| • LMCC | Licentiate of the Medical Council of Canada | Dec. 2008 |

Education & Medical Training:

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| • Mentorship | Interventional Pain Management, HealthPointe Spine Centre, University of Alberta, Edmonton, AB, Canada | July 2014 – June 2015 |
| • Residency | Physical Medicine & Rehabilitation (Physiatry) University of Saskatchewan, Saskatoon, SK, Canada | July 2009 – June 2014 |
| • Internship | General Rotating Internship Ain Shams University, Cairo, Egypt | Mar. 2004 – Feb. 2005 |
| • M.B., B. Ch. | Bachelor of Medicine, Bachelor of Surgery Ain Shams University, Cairo, Egypt | Sep. 1997 – Dec. 2003 |

Professional Practice:

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| • Physiatrist | Canada Diagnostic Centres, Caleo Health | March 2023 – Present |
| • Physiatrist | Momentum Health West Springs | Nov. 2022 – Present |
| • Physiatrist | HealthPointe Medical Centre | July 2014 – Dec. 2022 |
| • Physiatrist | Central Alberta Orthopaedics | Sept. 2018 – Dec. 2022 |

Appointments:

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| • Associate Clinical Processor | PM&R Division, Department of Internal Medicine University of Alberta, Edmonton, AB, Canada | July 2019 – Present |
| • Physician Examiner | Medical Council of Canada, Ottawa, ON, Canada | April 2019 – Present |
| • Assistant Clinical Professor | PM&R Division, Department of Internal Medicine University of Alberta, Edmonton, AB, Canada | July 2016 – June 2019 |
| • Medical Director | HealthPointe Medical Centre Neurophysiology Lab | Oct. 2015 – June 2020 |
| • Board of Director | Canadian Society of Medical Evaluators | June 2015 – June 2016 |
| • Clinical Lecturer | Physical Medicine & Rehab Department, University of Alberta, Edmonton, AB, Canada | July 2014 – June 2016 |
| • Chief Resident | Physical Medicine & Rehab Department, University of Saskatchewan, Saskatoon, SK, Canada | July 2011 – June 2012 |

Publications:

- 1 Rajasekaran S, Lo A, **Aly AR**, Ashworth N. Honorary authorship in postgraduate medical training. **Postgraduate medical journal**. 2015;91(1079):501-7. Epub 2015/08/27. doi: 10.1136/postgradmedj-2015-133493. PubMed PMID: 26306503.
- 2 Hoeber S, **Aly AR**, Ashworth N, Rajasekaran S. Ultrasound-guided hip joint injections are more accurate than landmark-guided injections: a systematic review and meta-analysis. **British journal of sports medicine**: 2015. Epub 2015/06/13. doi: 10.1136/bjsports-2014-094570. PubMed PMID: 26062955.
- 3 **Aly AR**, Rajasekaran S, Ashworth N. Ultrasound guidance improves accuracy and outcomes in shoulder girdle injections – A systematic review and meta-analysis. **British Journal of Sports Medicine**: 2014. Epub 2014/11/19. doi: 10.1136/bjsports-2014-093573. PubMed PMID: 25403682.
- 4 Moulton KM, **Aly AR**, Rajasekaran S, Shepel M, Obaid H. Acetabular anteversion is associated with gluteal tendinopathy at MRI. **Skeletal radiology**: 2014. Epub 2014/08/28. doi: 10.1007/s00256-014-1991-6. PubMed PMID: 25158908.
- 5 **Aly AR**, Rajasekaran S, Mohamed A, Beavis C, Obaid H. Feasibility of ultrasound-guided percutaneous tenotomy of the long head of the biceps tendon-A pilot cadaveric study. **Journal of clinical ultrasound: JCU**. 2014. Epub 2014/06/26. doi: 10.1002/jcu.22189. PubMed PMID: 24962183.
- 6 **Aly AR**, Rajasekaran S, Obaid H, Bernacki B. Bilateral ulnar neuropathy at the elbow secondary to neuropathic arthropathy associated with syringomyelia. **PM & R: the journal of injury, function, and rehabilitation**. 2013;5(6):533-8. Epub 2013/06/26. doi: 10.1016/j.pmrj.2013.01.010. PubMed PMID: 23790822.
- 7 **Aly AR**, Rajasekaran S, Obaid H. MRI morphometric hip comparison analysis of anterior acetabular labral tears. **Skeletal radiology**: 2013;42(9):1245-52. Epub 2013/06/14. doi: 10.1007/s00256-013-1652-1. PubMed PMID: 23760571.

- 8 Rajasekaran S, Beavis C, **Aly AR**, Leswick D. The utility of ultrasound in detecting anterior compartment thickness changes in chronic exertional compartment syndrome: a pilot study. **Clinical journal of sport medicine: official journal of the Canadian Academy of Sport Medicine**. 2013;23(4):305-11. Epub 2013/04/06. doi: 10.1097/JSM.0b013e3182856046. PubMed PMID: 23558330.

Abstracts

1. **Aly AR**, Rajasekaran S, Obaid H. MRI morphometric hip comparison analysis of anterior acetabular labral tears. **J Rehab Med**. 2014; 46: 1064
2. **Aly AR**, Rajasekaran S, Ashworth N. Ultrasound guidance improves accuracy and outcomes in shoulder girdle injections – a systemic review and meta-analysis. **J Ultrasound Med**. 2014 Apr;33(suppl):S62
3. **Aly AR**, Rajasekaran S, Obaid H, Beavis RC, Mohamed A. Feasibility of ultrasound-guided percutaneous tenotomy of the long head of the biceps tendon – A Pilot Study. **J Ultrasound Med**. 2014 Apr;33(suppl):S61
4. Rajasekaran S, **Aly AR**. Anterior Tibial Artery Flow Characteristics Do Not Change in Chronic Exertional Compartment Syndrome. **Clin J Sport Med**. 2013 Mar;23(2):132
5. Rajasekaran S, Beavis RC, **Aly AR**, Kanigan N, Leswick D. Using Ultrasound to Diagnose Chronic Exertional Compartment Syndrome. **PM R**. 2012 Oct;4(10 Suppl 2):S271

Presentations at Scientific Meetings:

Podium Presentations – Presenter / 1st Author

- MRI Morphometric Hip Comparison Analysis of Anterior Acetabular Labral Tears. June 2014
CAPM&R 62nd Annual Scientific Meeting, St. John's, Newfoundland, Canada
- Feasibility of Ultrasound-Guided Percutaneous Tenotomy of the Long Head of the Biceps Tendon – A Pilot Study April 2014
AIUM Annual Convention, Caesars Palace, Las Vegas, Nevada, USA.
- Ultrasound guidance improves accuracy and outcomes in shoulder girdle injections – a systemic review and meta-analysis April 2014
AIUM Annual Convention, Caesars Palace, Las Vegas, Nevada, USA.
- MRI Morphometric Hip Comparison Analysis of Anterior Acetabular Labral Tears. Nov. 2013
Alberta Physical Medicine & Rehabilitation Resident Research Day
University of Alberta & Calgary, Calgary, Alberta, Canada.
- MRI Morphometric Hip Comparison Analysis of Anterior Acetabular Labral Tears. May 2013
Department of Medical Imaging Research Day College of Medicine,
University of Saskatchewan, Saskatoon, SK, Canada

Podium Presentations – Co-author

- Honorary Authorship in Postgraduate Medical Training. May 2015
CAPM&R 63rd Annual Scientific Meeting, Vancouver, BC, Canada
- Ultrasound-guided hip joint injections are more accurate than landmark-guided injections: a systematic review and meta-analysis. May 2015
CAPM&R 63rd Annual Scientific Meeting, Vancouver, BC, Canada
- Morphometric characteristics of the hip associated with magnetic resonance imaging features of greater trochanteric pain syndrome. May 2013
Department of Medical Imaging Research Day
College of Medicine, University of Saskatchewan, Saskatoon, SK, Canada
- The Utility of Ultrasound in Detecting Anterior Compartment Thickness Changes in Chronic Exertional Compartment Syndrome: A Pilot Study. April 2013
AIUM Annual Convention, New York, U.S.A.
- Anterior Tibial Artery Flow Characteristics do not change in Chronic Exertional Compartment Syndrome. April 2013
AMSSM 22nd Annual Meeting, San Diego, CA, USA
- Using Ultrasound to Diagnose Chronic Exertional Compartment Syndrome. Sep. 2012
XXXII World Congress of Sports Medicine, Rome, Italy
- Using Ultrasound to Diagnose Chronic Exertional Compartment Syndrome. June 2012
CASEM Sports Medicine Conference, Kelowna, British Columbia, Canada

Poster Presentations – Presenter/1st Author

- MRI Morphometric Hip Comparison Analysis of Anterior Acetabular Labral Tears. Oct. 2013
ISS 40th annual meeting, Philadelphia, Pennsylvania, USA.
- MRI Morphometric Hip Comparison Analysis of Anterior Acetabular Labral Tears. June 2013
Residents Research Day, College of Medicine,
University of Saskatchewan Saskatoon, SK, Canada
- Anterior Tibial Artery Flow Characteristics in Chronic Exertional Compartment Syndrome (coauthor) April 2013
CASEM Sports Medicine Conference, Whistler, British Columbia, Canada

Poster Presentations Co-author

- The relationship of acetabular anteversion, femoral neck anteversion and femoral neck shaft angle to greater trochanteric pain syndrome at MRI
ISS 40th Annual Meeting, Philadelphia, Pennsylvania, USA. (Pending) Oct. 2013
- Using Ultrasonography to Diagnose Chronic Exertional Compartment Syndrome
2012 AAPM&R Annual Assembly, Atlanta, Georgia, U.S.A. Nov. 2012
- Using Ultrasonography to Diagnose Chronic Exertional Compartment Syndrome
CITAC-CSCI Meeting & Young Investigators' Forum Ottawa, Ontario, Canada. Sep. 2012

Awards:

- 10th Canadian Comprehensive Review Course Teaching Excellence Award Mar. 2018
- University of Alberta L.A. Bellamy Teaching Award 2017-18
- Resident Research award for completed research project (Co-author)
Ultrasound-guided hip injections are more accurate than landmark-guided injections.
Alberta Physiatrist Association meeting, Calgary, AB Oct. 2015
- Third place award for original research abstracts (Co-author)
Honorary Authorship in Postgraduate Medical Training.
CAPM&R 63rd Annual Scientific Meeting, Vancouver, BC May 2015
- First place award for systematic reviews (Co-author)
Ultrasound-guided hip injections are more accurate than landmark-guided injections.
CAPM&R 63rd Annual Scientific Meeting, Vancouver, BC May 2015
- Second place award for original research abstracts
MRI Morphometric Hip Comparison Analysis of Anterior Acetabular Labral Tears.
CAPMR 62nd annual scientific meeting, St. John's, NL June 2014
- R. Tait MacKenzie and Kinemedics Award (Co-author)
Using Ultrasound to Diagnose Chronic Exertional Compartment Syndrome
CASEM Sports Medicine Conference Kelowna, BC June 2012
- College of Medicine Resident Research Day Award (Co-author)
Using Ultrasound to Diagnose Chronic Exertional Compartment Syndrome
College of Medicine Resident Research Day, Saskatoon, Sk May 2012
- Best Research Award in the Division of Orthopaedic Surgery (Co-author)
Using Ultrasound to Diagnose Chronic Exertional Compartment Syndrome
University of Saskatchewan Surgery Resident Research Day, Saskatoon, SK April 2012

Research Grant:

- Saskatchewan Academy of Sports Medicine Research Grant; Feasibility of ultrasound-guided percutaneous tenotomy of biceps tendon long head. May 2013

Journal Reviewer and Editorial Activity:

- Reviewer, PLOS ONE Dec. 2014 – Present
- Reviewer, British Medical Journal Cases May 2014 – Present
- Reviewer, International Journal of Orthopaedics April 2014 – Present
- Reviewer, Aging Clinical and Experimental Research (ACER) Nov. 2103 – Present
- Reviewer, Orthopaedic & Muscular system: Current research, OMICS July 2013 – Present
- Reviewer, Skeletal Radiology journal April 2013 – Present

Invited Lectures & Courses:

- Course Instructor March 2018
10th Canadian Comprehensive Review Course
Edmonton, AB, Canada
- Course Instructor March 2017
Canadian Neuromusculoskeletal Ultrasound Symposium
University of Calgary, Calgary, AB
- Tendinopathy Management - An Evidence-Based Approach Jun. 2016
University of Alberta, Edmonton, AB
- Approach to Hip Pathologies Nov. 2015
University of Alberta, Edmonton, AB
- Evaluation of Entrapment Neuropathy in the Upper Limbs Jan. 2015
University of Alberta, Edmonton, AB
- Residents as Teachers June 2012
University of Saskatchewan, Saskatoon, SK
- Management of Chronic Tendinopathy - Evidence Based Feb. 2012
Department of Physical Medicine and Rehabilitation
University of Saskatchewan, Saskatoon, SK
- Management of Osteoarthritis in Elderly Patients Mar. 2010
Department of Internal Medicine
University of Saskatchewan, Saskatoon, SK

Courses and Conferences:

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| AMA Guides to the Evaluation of Permanent Impairment 6 th Ed, ABIME | Dec. 2023 |
| 2019 AAPM&R Annual Assembly, San Antonio, Texas, USA | Nov. 2019 |
| Ultrasound Guided Spine intervention, PM&R department University of Calgary, AB | Jun. 2019 |
| Regenerative Medicine comprehensive review course, Orlando, FL, USA | Feb. 2019 |
| Sports Medicine Review, American Seminar Institute, Cancun, Mexico | Dec. 2018 |
| TOBI 9 th Annual PRP & Regenerative Medicine, Las Vegas, NV, USA | June 2018 |
| Pain Management review, American Seminar Institute | Dec. 2017 |
| Interventional Management of Chronic Musculoskeletal Pain, CAPRI, AB | Dec. 2017 |
| Canadian PM&R Neuromuscular Ultrasound Symposium, Calgary, AB | Mar. 2017 |
| Hands-on Diagnostic and Interventional Musculoskeletal Ultrasound, AIUM | May 2016 |
| Sports Ultrasound Cadaver Course, AMSSM | Nov. 2015 |
| Radiofrequency Bio Skills Lab, Spine Intervention Society | Aug. 2015 |
| Cervical Procedure Bio Skills Lab, Spine Intervention Society | Feb. 2015 |
| AMA Guides to the Evaluation of Permanent Impairment 6 th Ed, ABIME | Oct. 2014 |
| Lumbar Procedure Bio Skills Lab, Spine Intervention Society | Oct. 2014 |
| Harvard EMG and Neuromuscular Medicine course | Nov. 2013 |
| ISS Musculoskeletal ultrasound course: Hand & wrist | Oct. 2013 |
| ISS 40th annual meeting, Philadelphia, Pennsylvania, USA | Oct. 2013 |
| Crucial Conversation Training, Canadian Society of Physician Executive | Sep. 2013 |
| 61 st CAPM&R Annual Scientific Meeting, Montreal, Ottawa | May 2013 |
| Canadian PM&R 3 rd annual Ultrasound course (intermediate level) | May 2013 |
| CASEM Sports Medicine Conference, Whistler, BC | April 2013 |
| 47 th Comprehensive review course in PM&R, University of Texas | Mar. 2013 |
| Writing for Biomedical Publication workshop, Mayo Clinic | Mar. 2013 |
| EMG and Neurophysiology in Clinical Practice Course, Mayo Clinic | Feb. 2013 |
| CASEM Sports Medicine Conference, Kelowna, BC | May 2012 |
| Canadian PM&R Neuromuscular Ultrasound Symposium, Calgary, AB | Mar. 2012 |
| Health Pointe Pain and Musculoskeletal Medicine Retreat, Banff, AB | Dec. 2012 |
| Health Pointe Pain and Musculoskeletal Medicine Retreat, Banff, AB | Dec. 2011 |
| 59 th CAPM&R Annual Scientific Meeting, Victoria, BC | Feb. 2011 |
| Clinical Teaching TIPS course, University of Saskatchewan | June 2011 |
| Critical Appraisal course, College of Medicine, University of Saskatchewan | Sep. 2010 |
| 58 th CAPM&R Annual Scientific Meeting, Winnipeg, MB | May 2010 |
| Clinical Research Methodology, University of Saskatchewan | Dec. 2009 |

Professional Memberships:

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| Canadian Society of Medical Evaluators | 2015 – 2017 |
| Alberta Medical Association | 2014 – Present |
| International Spine Intervention Society | 2013 – 2017 |
| American Institute of Ultrasound Medicine | 2013 – Present |
| American Association of Physical Medicine and Rehabilitation | 2013 – 2017 |
| Royal College of Physician and Surgeon of Canada | 2013 – Present |
| Publication Integrity and Ethics organization | 2013 – Present |
| International Federation of Sports Medicine | 2012 – 2016 |
| Canadian Academy of Sport and Exercise Medicine | 2012 – 2016 |
| Canadian Association of Physical Medicine and Rehabilitation | 2009 – 2015 |
| Canadian Medical Association | 2009 – Present |