

# NSM 10<sup>th</sup> Orthopedic Surgery / Sports Medicine Group Annual Hybrid Live & Virtual Symposium

This symposium is certified as a group learning activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada. You, and every attendee (with equivalence to your respective professional society/institution/organization/college) can earn up to 7 MOC (Maintenance of Certification) Program Section 1 CME credits continuing medical education from the Royal College of Surgeons & Physicians of Canada

## MEETING INFORMATION

**Date:** Saturday, Saturday Feb. 1<sup>st</sup>, 2025

**Time:** 2:00 pm – 11 pm

### Live Location:

The Boulevard Club

1491 Lake Shore Blvd. W, Toronto, ON M6K 3C2. Phone: 416-532-3341

<http://www.boulevardclub.com>

Virtual login: Microsoft Teams Meeting

**Dress Code: Formal / Black tie optional**

Covid-19 safety measures implemented:

All guests are self-screened

All guests must be double vaccinated

Masks are optional

Regular masks and N95 masks available for use

Hand sanitizers at stations

HEPA air filters on site

### **Symposium Registration Fee:**

**Live session 150 \$ / person**

**Virtual – Microsoft Teams Meeting 75\$ / person**

**Post-symposium presentation handout 100\$**

**Part of the proceeds will go towards JEL'S – the Joy of Everyday Learning through Sports for Kids (a not for profit organization)**

Payment can be made by email via E-transfer / Interac (preferred mode of payment) to [research@nguyensportsmed.com](mailto:research@nguyensportsmed.com), over the phone by credit card (visa, MasterCard, American express) by calling (416) 742-3736, by cheque (made payable to Dr. Duong Nguyen Medicine Professional Corporation, or by cash.

Register by emailing: [research@nguyensportsmed.com](mailto:research@nguyensportsmed.com) and indicate whether you will be bringing a guest (optional – he/she will also have to formally register and pay the 150\$ fee).



## **Symposium Director:**

Dr. Duong Nguyen MPC

MD, FRCSC, MSc Clin Epi, LLM(c), Dip ABOS, Dip Sports Med (ABOS), FAAOS, CIME, CMLE(ON), C-CAT (PM), Dip Sport Med (CASEM)

Diplomate of the American Board of Orthopaedic Surgery

Subspecialty Board Certification in Sports Medicine (ABOS)

Fellow of the American Academy of Orthopaedic Surgeons (FRCSC/AAOS)

Certified Independent Medical Legal Examiner (ABIME) & Health Law (Osgoode Hall Law School)

Professional LLM in Health Law (Candidate - Osgoode Hall Law School)

Medical Legal Expert Consultant - CMPA (Canadian Medical Protective Association)

Certified Medical Legal Expert (CMLE) - Canadian Society of Medical Evaluators

Certified in Catastrophic Impairment (CAT) Evaluation (CSME/CAPDA)

Diplomate Sport & Exercise Medicine (CASEM)

Arthroscopic & Reconstructive Sports Knee Surgery

Medical Director / Urgent Sports Injury, Rehab & Fracture Clinic

Master of Science / Clinical Epidemiology

Assistant Clinical Professor - McMaster University / Toronto Metropolitan University

2489 Bloor Street West, Suite 102. Toronto, ON. M6S 1R6

Ph:(416)742-3736 Fax:(416)742-2818

Website: <https://nguyensportsmed.com/sports-medicine-symposium>

Follow us on Instagram: <https://www.instagram.com/nguyensportsmedicine/?hl=en>

Dear colleagues,

I am pleased to welcome you to the 2025 10<sup>th</sup> Annual Nguyen Sports Medicine, Orthopedic & Trauma Hybrid Live & Virtual Symposium which aims to gather a broad spectrum of sub-specialties to discuss and debate recent advances in the field of health care, sports performance, orthopedic surgery, and sports medicine. The aim of the symposium is to present a non-didactic, interactive, concise, focused, and practical, 'use tomorrow' approach to common clinical scenarios in sports medicine. The perspective is multifaceted and is seen through the lens of the various sub-specialties of primary care medicine, sports medicine, orthopedic surgery, physiotherapy, osteopathy, chiropractic therapy, athletic training, coaching, teaching, nursing, law, politics, and business.

The audience is multidisciplinary and consists of orthopedic surgeons, other specialty surgeons, sports medicine doctors, family doctors, other specialty doctors, radiologists, businesspeople, politicians, lawyers, coaches, athletic trainers, chiropractors, physiotherapists, kinesiologists, nurses, clinic owners, medical, graduate/university students or anyone with a keen interest in sports medicine.

The last sports medicine symposium was a success, and I would like to again thank the scientific committee, guest speakers, and all attendees for taking the time from their busy family and work commitments, brave the weather, overcome family medical and life emergencies, and travel from far to attend this special event to share their knowledge with you. I demand the best of the speakers in terms of their knowledge and expertise, dedication to this event, and presentation styles. I thank them deeply for their patience and understanding.

### Learning objectives:

Improve your knowledge of:

1. The up-to date management of sports-related injuries on and off the field and in the office setting (epidemiology, mechanism of injury, diagnosis, prevention, treatment)
2. Management of common injuries/tendinopathies in specific sports (soccer, basketball, hockey, performance arts) and in

special subgroups (female athletes, pediatrics).

3. The anatomy and pathology of injuries with X-ray, MRI & surgical/arthroscopic correlations.
4. The physical examination of the shoulder, elbow, and knee via live hands-on demonstrations, images, and videos
5. Surgical indications for sports-related fractures and injuries commonly seen in the office.
6. Joint injection techniques with hands-on and video education tools.
7. Management of concussions
8. Recent research advances in the sports medicine literature.

These learning objectives were developed based on requests from the sports medicine community in the Greater Toronto Area throughout the years. Learning is achieved via podium presentations, direct interaction with experts in the field, posters, electronic posters, education booths, videos, practical hands-on sessions, and scientific exhibits. Questions will be posed in the evaluation forms to assess the knowledge achieved by the participants. Answers will be posted on the website after the symposium and the aim is to translate this newly acquired knowledge into better patient care and health outcomes.

I look forward to the lively debates, questions, and contributions from our scientific committee/attendees.

Highlights of the upcoming symposium include presentations on: Artificial Intelligence (AI) in Health Care, Sports Medicine & Law, Resurgence of ACL Repair & New Meniscus/Cartilage Repair Techniques in 2025, Artificial Intelligence (AI) Scribing by Dr. Chris Raynor (Orthopedic Surgery; Ottawa, Canada), Sports Injuries in the Female Athlete by Dr. Stephanie Hsu (Orthopedic Surgery; Seattle, USA), Current concepts in Orthobiologic Therapy / PRP (Platelet-Rich-Plasma) Infused Hyaluronic Acid Gel injections in 2025, Injuries in dance/performance arts (Dr. Sari Kraft – Sports Medicine; Toronto, Canada), Ultrasound-guided PRP/HA injections by Dr. Neil Dilworth (Sports/Emergency Medicine; Toronto, Canada), Musculoskeletal Ultrasound by Dr. Josh Mamelak (Interventional Radiology; Toronto, Canada), Bracing for Sports Knee Injuries – Clinical Indications by Michelle DeMarchi (Physiotherapy; Toronto, Canada), Health Law in Sports Medicine, and Management of Ankle/Foot Athletic Injuries by Dr. John Lee (Orthopedic Surgery; Toronto, Canada).

An 'Excellence in Sports Medicine Education' award will be presented to the best presenter of the symposium. Please also save the date **Saturday January 31st, 2026**, for next year's 11<sup>th</sup> Annual sports medicine symposium.

Regards,

Dr. Duong Nguyen (Program Director)

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**Saturday, February 1<sup>st</sup>, 2025**

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Noon – 2:00 PM     **Industry Sponsors / Scientific Exhibits / Set-up**

1:30 PM -2:00 PM     **REGISTRATION – Location: Lounge / Mezzanine / Solarium**

Coat check available in foyer (1:30 pm – 11 PM)

**Coffee / Drinks / Fresh Fruit / Cheese Plates/ Sandwiches – Location: Solarium**

2:00PM-2:05PM     **WELCOME – SYMPOSIUM ITINERARY, FORMAT & OUTLINE**

Dr. Duong Nguyen – Orthopedic Surgery / Sports Medicine

Symposium location: Ballroom

**SESSION I REHABILITATION**

- 2:05PM-2:10PM **NSM Symposium award ceremony: Best Presentation, Best Spirit, Best Creative Movement Best Participation, Top score on Industry sponsor quiz, and Top score on the post-symposium exam.**
- 2:15PM-2:25PM **Ultrasound-guided Musculoskeletal Injections (Joints/Tendons/Bursae – Hyaluronic Acid Gels / PRP (Platelet-Rich Plasma)**  
Neil Dilworth – Sports Medicine / Emergency Medicine (University of Toronto, Canada)  
Learning Objectives: review of joint / tendon anatomy, techniques, outcomes.
- 2:30-2:35PM **Post - ACL Reconstruction / Meniscal Repair Rehabilitation: Current controversies**  
Mary Chen – Clinical Assistant / Registered Kinesiologist (Nguyen Sports Medicine. Toronto, Canada)  
Diana Didiano - Clinical Assistant / Kinesiologist (Nguyen Sports Medicine. Toronto, Canada)  
Learning Objectives: when to weight-bear, start range of motion, initiate strengthening, initiate open kinetic chain exercises, start running, start plyometrics, and when to return to sports. Role of blood flow restriction (BFR) in rehab.
- 2:40-2:45PM **Bracing for Sports Knee Injuries – Clinical Indications**  
Michelle DeMarchi – Physiotherapist / Osteopathy (Physioplus.Toronto, Canada)  
Learning Objectives: knee bracing, neuromuscular optimization, indications, patient matching, pitfalls, what's the evidence, and controversies.
- 2:50PM- 3:00 PM **The Ed Cadet Lectureship – Knee Injuries in Soccer**  
Demetria Correia - Physiotherapist / Sports Medicine (Physioplus.Toronto, Canada)  
Chantelle Blanchette - Physiotherapist / Sports Medicine (Physioplus.Toronto, Canada)  
Learning Objectives: mechanisms, pathophysiology, prevention strategies
- 3:05PM- 3:10 PM **Return to Play In Sports– Current Concepts**  
Maddie Hill - Physiotherapist / Sports Medicine (King's Cross. Mississauga, Canada)  
Learning Objectives: key factors to measure, criteria for return to play, spectrum of tests.
- 3:15PM- 3:20 PM **Soccer Injuries – My Team Canada Experience**  
Scott Howitt – Chiropractic Therapy / Sports Medicine (Pure Fitness. Toronto, Canada)  
Learning Objectives: Injuries, how to manage on/off the field, criteria for return to play

<p><b>SESSION II INJECTIONS</b> <b>Moderator: Dr. Duong Nguyen</b></p>
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- 3:25 PM - 3.30PM **PRP (Platelet Rick Plasma) & Hyaluronic Acid Gel Injections: Current Concepts in 2025**  
Dr. Duong Nguyen – Orthopedic Surgery / Sports Medicine  
Learning Objectives: what is PRP, indications, evidence, controversies, injection technique, research.  
**Injections for Cartilage Defects of the Knee –Prospective Cohort Study Results HA vs. HA + cortisone, HA+cortisone vs. PRP.**  
  
Dr. Duong Nguyen – Orthopedic Surgery / Sports Medicine  
Learning Objectives: what is cortisone, PRP, Stem Cell & HA, indications, evidence, controversies, injection technique, results of prospective cohort study.
- 3:35PM-4:10 PM **Break / Viewing of Exhibits**  
**Food & Drinks / Hors-d'oeuvres passed**

**SESSION III SPORTS MEDICINE**

**Moderator: Dr. Duong Nguyen**

- 4:10 PM- 4:15 PM **Artificial Intelligence (AI) Scribe for your Practice – A Live Demo**  
Chris Raynor – Orthopedic Surgery (Human 2.0. Ottawa, Canada)  
Learning objectives: types of AI softwares, integration into your EMR
- 4:20 PM- 4:25 PM **The Ingrid Radovanovic Lectureship – the role of a healthy back and hip/pelvis in ACL rehabilitation?**  
Jamie Camp – Physiotherapy (Shift Bodywork. Toronto, Canada)  
Learning objectives: review of the anatomy of the hip/pelvis, pathologies that affect knee mechanics, manual therapy techniques.
- 4:30 PM- 4:35 PM **The Sarah Elliott Lectureship – Accelerated ACL rehab: the role of Blood Flow Restriction (BFR) in restoring muscle strength.**  
Luca Condotta – Physiotherapy (King’s Cross. Toronto, Canada)  
Learning objectives: review the evidence on BFR, risks/complications, outcomes.
- 4:40 PM- 4:45PM **The Nicola Banger Lectureship – Dance / Performance Arts: Highlights & Management of Common Injuries.**  
Dr. Sari Kraft– Sports Medicine (Cleveland Clinic. Toronto, Canada)  
Learning Objectives: how to manage injuries on the stage/in your clinic, when to refer.
- 4:50 PM- 4:55 PM **The Leah Hillier Lectureship - Pediatric fractures & sports injuries: special considerations.**  
Neil Dilworth – Sports Medicine / Emergency Medicine (Toronto, Canada)  
Dr. Duong Nguyen – Orthopedic Surgery / Sports Medicine (Toronto, Canada)  
Learning Objectives: are children ‘little adults,’ anatomy, physical exam, what to do with the growth plate, why does your patient keep changing, casting materials, what is the 3 for 1 combo?
- 5:00PM-5:05PM **The Sara Edwards Lectureship - Sports Injuries in the Female Athlete**  
Dr. Stephanie Hsu– Orthopedic Surgery / Sports Medicine (Seattle, USA)  
Dr. Duong Nguyen – Orthopedic Surgery / Sports Medicine (Toronto, Canada)  
Learning Objectives: how are female athletes different, neuromuscular pathophysiology, the anatomy & function of the core & pelvis in ACL/meniscus rehab.
- 5:10 PM- 5:15 PM **Discussion**

**SESSION IV TRAUMA / ANESTHESIA / SPORTS PSYCHOLOGY / MEDICO – LEGAL**

**Moderator: Dr. Duong Nguyen**

- 5:20 PM- 5:25 PM **NSM Urgent Sports Injury & Fracture Clinic – what you don’t want to miss in the office / on the field / on x-rays. ATLS review, principles of trauma care, and the role of bone growth stimulation in healing /return to play.**

Dr. Duong Nguyen – Orthopedic Surgery/Sports Medicine

Learning Objectives: ATLS & musculoskeletal injuries – principles of trauma care, indications for surgery for common fractures & dislocations, ultrasound vs. bio-electricity vs. combined magnetic field technologies.

5:30PM-5:35PM

**Pediatric Apophyseal Injuries – From Apophysitis to Osteochondrosis**

Neil Dilworth – Sports Medicine / Emergency Medicine (University of Toronto, Canada)

Learning Objectives: review of joint / tendon anatomy, what is Panner Disease, when to operate?, outcomes.

5:40 PM-5:45 PM

**The ‘Save the Meniscus’ Campaign Around the Globe – State of the Art Meniscal Repair Techniques**

Dr. Duong Nguyen – Orthopedic Surgery / Sports Medicine (Toronto, ON)

Learning Objectives: review of anatomy of the meniscal root/physical exam, Thessaly vs. McMurray vs Apley’s or Dr. Nguyen’s preferred test, Orthobiologic Augmentation, can you repair a horizontal cleavage tear, transplant vs. wedge augmentation.

5:50 PM- 5:55PM

**The Josh Mamelak Lectureship - MSK Ultrasound: Clinical Applications in Sports Medicine**

Dr. Josh Mamelak – Radiology (Toronto, ON)

Learning Objectives: review of ultrasound principles, primer for non-radiologists, muscle/tendon/joint anatomy, injection techniques.

6:00PM- 6:05PM

**Health Law in Sports Medicine – Do you need a Remote Virtual Medical Expert Second Opinion (RVMESO) with Dr. Duong Nguyen for your Knee Injury?**

Dr. Duong Nguyen – Orthopedic Surgery / Sports Medicine (Toronto, Canada)

Learning Objectives: types of cases, common pitfalls, what is personal injury / tort claims / negligence / jurisprudence

6:10 PM- 6:15PM

**DISCUSSION**

6:20PM-6:55 PM

**Break / Viewing of Exhibits**

**Food & Drinks / Hors-d’oeuvres passed**

Reception served: Food stations (Seafood, Beef, Chicken, Vegetarian)

**SESSION V ACL / RESEARCH**

**Moderator: Dr. Duong Nguyen**

7:00 PM- 7:05 PM

**Nguyen Sports Medicine Research - Research Updates / Summary of Conference Presentations**

Dr. Duong Nguyen – Orthopedic Surgery/Sports Medicine

1. Pediatric ACL reconstruction – All Inside Physis Sparing Surgical Technique
2. Sex, Age, and Graft Size as Predictors of ACL Re-Tear: a Multivariate Logistic Regression of a Cohort in Athletes
3. Medial Patella Femoral Ligament (MPFL) Reconstruction Surgery for Patella Instability

4. Neuromuscular Training for the Prevention of ACL Tears in Young Female Soccer Athletes – A Health Technology Assessment of the Clinical Evidence & Cost-Effectiveness
5. Meniscal repair & meniscal preservation strategies: a Multivariate Logistic Regression of a Cohort
6. Elbow arthroscopy for OCD lesions in athletes - from pinning to microfracture / mosaoplasty (OATS)

Learning Objectives: what is physis sparing ACL surgery, risk factors for ACL re-tears, what is MPFL surgery, what to do to prevent ACL injury, best physical exam tests for ACL/meniscus injuries, best imaging modality for elbow OCD lesions, the importance of meniscal preservation.

7:10PM- 7:15 PM **Dental/TMJ Injuries in Sports: the role of Sports Mouth Guards & On/Off- field management.**

Dr. Rick Soordhar – Dental Surgery (Oasis Dental. Milton, Canada)

Learning Objectives: how to manage dental injuries on the field, types of mouthguards, how do they make it, proper fit, outcomes.

7:30 PM – 7:35 PM **The Guillem Lomas Lectureship – the Return of the Jedi: ACL repair**

Dr. Duong Nguyen – Orthopedic Surgery/Sports Medicine (Toronto, Canada)

Learning objectives: role & indications for ACL repair, the Bridge-enhanced anterior cruciate ligament repair (BEAR) procedure, why not ACL reconstruction, femoral vs. tibial sided, timing, proper tensioning, surgical techniques, outcomes?

7:40PM- 7:45 PM **Athlete-Centered Care – How can we bring the athlete’s voice to sports healthcare?**

Dr. Alex Lee – Sports Chiropractic Therapy(Velocity Sports Medicine. TO, Canada)

Learning Objectives: identify current obstacles to health care access & provide potential solutions.

7:50 PM-7:55PM **DISCUSSION**

**SESSION VI ORTHOPEDIC SURGERY**  
**Moderator: Dr. Duong Nguyen**

8:00 PM- 8:05 PM **The Mark Leung Lectureship - Patella Dislocations in Athletes: Anatomy, Imaging, Surgical Indications & the ‘MPFL reconstruction’ surgery.**

Dr. Duong Nguyen – Orthopedic Surgery / Sports Medicine ( Toronto, Canada)

Learning Objectives: what is the MPFL, initial management of the dislocated patella, not all patella dislocations are created equal, when to operate, MPFL reconstruction rehab protocol.

8:10 PM-8:15 PM **The Ingrid Radovanovic Lectureship – Foot & Ankle Injuries in Athletes**

Dr. John Lee – Orthopedic Surgery (Toronto, Canada)

Learning objectives: anatomy, fibula fracture nailing, should I operate on Jones fractures in the athlete?, when to weight-bear after ankle fractures, when can I return to sports after surgery?

8:30 PM-11:00PM **COCKTAIL RECEPTION / NETWORKING/ FOOD & DRINKS**

**Reception passed:** hors d’oeuvres/canapes/food stations (vegetarian/vegan options available)

**Dessert / Coffee station**