

NSM 7th Annual Sports Medicine, Orthopedic & Trauma Hybrid Live & Virtual Symposium

MEETING INFORMATION

Date: Saturday, February 6th, 2021

Time: 2:00 pm – 1 AM

Live Location:

The Boulevard Club

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

<http://www.boulevardclub.com>

Virtual login: Google Meet



Dress Code: Formal / Black tie optional

Symposium Registration Fee:

Live session 150 \$ / person

Virtual 50\$ / person

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 via 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 alternatively to JEL'S – the Joy of Everyday Learning through Sports for Kids (a not for profit organization), email via E-transfer/Interac to research@nguyensportsmed.com, or by cash.

Register by emailing: 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).

Registered Attendees: 150

Symposium Director:

Dr. Duong Nguyen Medicine Professional Corporation
MD, FRCSC, MSc(ClinEpi), DipABOS, DipSportsMed(ABOS), FAAOS, CIME, DESS(c), DipSportMed(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) Medical
Legal Expert Consultant - CMPA (Canadian Medical Protective Association)
DESS(c) Master's Degree / Insurance Medicine & Medicolegal Expertise
Diplomate Sport & Exercise Medicine (CASEM)
Arthroscopic & Reconstructive Shoulder, Elbow & Knee Surgery
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Dear colleagues,

I am pleased to welcome you to the 2021 7th 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.

Last year's sports medicine symposium was held on Saturday February 1st, 2020 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.

An 'Excellence in Sports Medicine Education' award will be presented to the best presenter of the symposium.

Please also save the date **Saturday February 5th, 2022** for next year's 8th Annual sports medicine symposium.

Regards,

Dr. Duong Nguyen (Program Director)

Saturday, February 6th, 2021

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

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

Police officer will be on site to assist with safe turning into Boulevard Club
Coat check available in foyer (1:30 pm – 1 AM)

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 2020 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-2:20PM **The Siobhan Karam / James Carson Lectureship - sports concussion & return to play: updated guidelines in 2021**
Dr. Neil Dilworth – Sports Medicine (Toronto, Canada)
Learning Objectives: how to diagnose, updates in 2019, Rowan’s law, new assessment tools, return to play vs. return to learn, new research updates, the role of video replay, the cervico-vestibular region, manual therapy techniques for concussion.
- 2:25PM-2:30PM **Post-ACL Reconstruction / Meniscal Repair Rehabilitation: Controversies in 2021**
Danielle Froats – Clinical Assistant / Registered Kinesiologist
Logan Jackson – Clinical Assistant / Registered Kinesiologist
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.
- 2:35PM-2:40PM **How does Kinesiology tape work in rehabilitation?**
Elizabeth Frey – Physiotherapist / FCAMPT (Toronto, Canada)
Learning Objectives: mechanism of action, effects on the brain, applications.
- 2:45PM-2:55PM **Sports Injuries in the Female Athlete**
Sara Edwards – Orthopedic Surgery (California, USA)
Jamie Camp- Physiotherapist (Toronto, Canada)
Learning Objectives: how are female athletes different, neuromuscular pathophysiology, the anatomy & function of the core & pelvis in ACL/meniscus rehab.
- 3:00PM–3:05PM **Open vs. closed chain strengthening in ACL Reconstruction patients**
Steve Hill – Physiotherapist (Toronto, Canada)
Paul Garvey- Physiotherapist (Toronto, Canada)
Learning Objectives: muscle activation patterns, role of an isokinetic machine, neuromuscular training techniques.
- 3:10PM-3:15PM **Bracing for Sports Injuries (Shoulder, Elbow, & Knee) – Clinical Indications**
Michelle DeMarchi – Physiotherapist / Osteopath (Toronto, Canada)
Learning Objectives: shoulder/elbow/knee bracing, knee neuromuscular optimization, indications, patient matching, pitfalls and controversies.

3:20PM- 3:25 PM **Strengthening, Conditioning & Sports Performance Exercises: How to Avoid an Injury**
Scott Howitt – Sports Chiropractor (Toronto, Canada)
Learning Objectives: injury mechanisms, key muscle groups to strengthen, techniques.

3:30 PM- 3:35 PM **The female athlete: special considerations**
Dr. Laura Cruz– Sports Medicine (Toronto, Canada)
Learning Objectives: aren't men & women the same?, how to deal with eating disorders, menstrual disorders and the terrible triad, REDS.

3:40 PM- 3:55 PM **Health practitioners - Why are your patients' MVA claims being denied?**
Alex Voudouris – Law (Toronto, Canada)
Learning Objectives: what is the role of the LAT (License Appeal Tribunal), MVA/SABS definitions, pearls to avoid your claim being denied.

SESSION II INJECTIONS
Moderator: Dr. Duong Nguyen

4:00PM - 4.05PM **PRP (Platelet Rich Plasma) Injections: Current Concepts**
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.

Danielle Froats – Kinesiology
Logan Jackson – Kinesiology
Dr. Duong Nguyen – Orthopedic Surgery / Sports Medicine
Learning Objectives: what is cortisone, PRP, Stem Cell & HA, indications, evidence, controversies, injection technique, results of cohort study.

4:10PM-4:25 PM **Break / Viewing of Exhibits**
Food & Drinks / Hors-d'oeuvres passed

SESSION III SPORTS MEDICINE
Moderator: Dr. Duong Nguyen

4:30 PM- 4:35 PM **The Mark Leung / Jeffrey Bacher 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.

4:40 PM- 4:45PM **The Nicola Banger Lectureship - Management of common injuries in dancers/performance athletes**
Dr. Sari Kraft– Sports Medicine (Toronto, Canada)
Learning Objectives: pathoanatomy of the spine/hip/foot in performance artists with special considerations.

- 4:50 PM- 4:55 PM **The Laura Purcell / Leah Hillier Lectureship - Pediatric fractures & sports injuries: special considerations.**
 Dr. Duong Nguyen – Orthopedic Surgery / Sports Medicine (Toronto, Canada)
 Learning Objectives: are children ‘little adults’?, what to do with the growth plate, why does your patient keep changing, casting materials, what is the 3 for 1 combo?
- 5:00 PM- 5:05 PM **Lisfranc Injury in the athlete’s foot: anatomy, indications, surgical anatomy, and return to play.**
 Dr. Ingrid Radovanovic – Orthopedic Surgery / Sports Medicine (Cambridge, Canada)
 Learning Objectives: anatomy, indications, surgical anatomy, and return to play.
- 5:10 PM- 5:15 PM **The David Lawrence Lectureship - Basketball Injuries – on court management and return to play criteria**
 Dr. Mark Leung– Sports Medicine / Basketball Canada Team Physician (Toronto, ON)
 Learning Objectives: on / off court management, return to play criteria.
- 5:20 PM- 5:25 PM **Discussion**

<p align="center">SESSION IV TRAUMA / ANESTHESIA / SPORTS PSYCHOLOGY / MEDICO – LEGAL Moderator: Dr. Duong Nguyen</p>
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- 5:30 PM- 5:35 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.
- 5:40 PM-5:45 PM **In-office diagnostic knee arthroscopy with the Nanoscope**
 Duong Nguyen – Orthopedic Surgery / Sports Medicine (Toronto, ON)
 Learning Objectives: indications, how to make the patient comfortable, intra-articular anatomy, portal creation, surgical technique, post-procedure care, outcomes.
- 5:50 PM- 5:55 PM **Sports Hernia – Physical Exam pearls and surgical indications**
 Fady Saleh - General Surgery (Toronto, Canada)
 Learning Objectives: how to diagnose on physical exam, live patient video demonstrations, what imaging to order, endoscopic repair techniques.
- 6:00 PM- 6:05 PM **Post-injury blues: mental game coaching & performance enhancement**
 Brenley Shapiro – Registered Sports Psychology / Consultant Arizona Coyotes (Toronto, ON)

Learning Objectives: how to talk to your patient post-injury and help them on the road to recovery

6:10 PM-6:20PM

MSK Ultrasound: a primer for non-radiologists. Live demonstration.

Dr. Josh Mamelak – Radiology (Toronto, ON)

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

6:25 PM-6:30 PM

Gymnastic Injuries - special considerations for assessment and treatment

Sarah Elliott – Physiotherapist (Toronto, Canada)

Learning Objectives: types of events, levels of competition, training regimen, common injuries, injury prevention, competition coverage, gymnastic specific movement screens, special considerations.

6:35 PM- 6:40PM

DISCUSSION

6:45PM-7:15 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

7:20 PM- 7:25 PM

Nguyen Sports Medicine Research Institute - Research Updates in 2021 & 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 of 503 Athletes
3. Medial Patella Femoral Ligament (MPFL) Reconstruction Surgery for Patella Instability
4. Arthroscopic Versus Open Labral Repair for Instability—A Meta-Analysis. Arthroscopic HAGL repair
5. Allograft ACL Reconstruction in Athletes over 35 – A Cost-Utility Analysis
6. Complex Shoulder Reconstruction - Revision AC Joint (Published Book Chapter)
7. Neuromuscular Training for the Prevention of ACL Tears in Young Female Soccer Athletes – A Health Technology Assessment of the Clinical Evidence & Cost-Effectiveness
8. Elbow arthroscopy: arthroscopic OCD repair in 2020 – what not to miss in the office.
9. Meniscal repair & meniscal preservation strategies: a Multivariate Logistic Regression of a Cohort
10. Remplissage for shoulder instability

Learning Objectives: what is physis sparing ACL surgery, risk factors for ACL re-tears, what is MPFL surgery, is arthroscopic better than open shoulder stabilization, can I use an allograft for

ACL reconstruction in the athlete over 35, complex AC joint shoulder reconstruction, 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.

7:30 PM – 7:35 PM **The Antero-Lateral Ligament (ALL) in ACL tears: Current Concepts (Anatomy, Imaging, Surgical Indications, Outcomes, Surgical Techniques, New Research Directions)**

Dr. Guillem Lomas – Orthopedic Surgery / Sports Medicine (New York, USA)

Learning objectives: anatomy, role of the ALL, role of ACL repair, the Lachman & Pivot shift under the microscope, MRI anatomy, is ALL reconstruction necessary?

7:40PM- 7:45 PM **Management of Acute Back Pain in Sports**

Dr. Alex Lee – Sports Chiropractic Therapy (Toronto, Canada)

Learning Objectives: red flags, indication for imaging, role of acupuncture/traction/manipulation, injections, management of the acute foot drop, indication for surgery for a disc herniation.

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

SESSION VI ORTHOPEDIC SURGERY
Moderator: Dr. Duong Nguyen

8:00 PM- 8:05 PM **The Paul Shim Lectureship - Hip arthroscopy: spectrum of pathologies & surgical indications**

Dr. Ed Cadet – Orthopedic Surgery / Sports Medicine (North Carolina, USA)

Learning objectives: review of the anatomy of the hip, indications for an MRI, MRI vs MRA, when to refer to a surgeon, surgical anatomy, pathologies that can be treated with arthroscopy, how to make scope portals, outcomes and complications to look for in the office.

8:10 PM-8:15 PM **The Stephanie Hsu Lectureship - Meniscal / Cartilage Repair in 2020: Current Concepts (Anatomy, Imaging, Surgical Indications, Outcomes, Surgical Techniques, New Research Directions)**

Dr. Guillem Lomas – Orthopedic Surgery / Sports Medicine (New York, USA)

Learning objectives: anatomy, all-inside repair, outside-in repair, root repair, meniscal transplantation, microfracture, autograft / allograft OATS cartilage transfer.

8:20 PM- 8:25 PM **ACL reconstruction graft choices in 2021: is the quadriceps graft the new gold standard?**

Dr. Chris Raynor – Orthopedic Surgery / Sports Medicine (Ottawa, Canada).

Learning objectives: indications, surgical anatomy, pros/cons of each type of graft, common complications seen post-surgery.

8:30 PM-1 AM

GALA/ COCKTAIL RECEPTION / DRINKS/ NETWORKING/

FOOD & DRINKS

Reception passed: hors d'oeuvres/canapes

Dessert / Coffee station

Live dance performance: the dark dance of the sun dragon - a taste of the Orient with a Jamaican accent

DJ JELKA / DJ Sun Dragon

LIVE BAND - *Blush*