

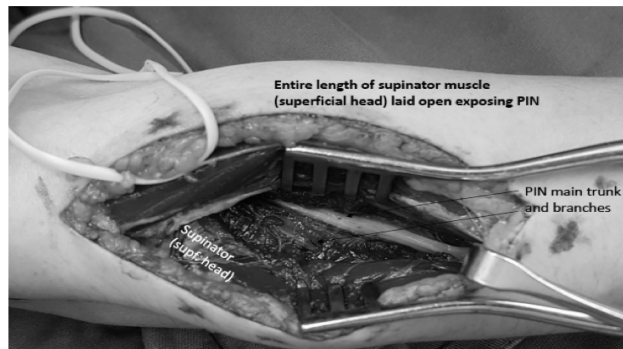
## Cadaveric Workshop and Course

### Nerve Decompression in the Forearm and Tendon Transfers for Tetraplegia

In conjunction with

R W H Pho Lectureship

18 July 2019



### University Orthopaedics, Hand and Reconstructive Microsurgery Cluster

Organized by

Department of Hand and Reconstructive  
Microsurgery, NUH &  
Department of Orthopaedic Surgery, NUS



Yong Loo Lin  
School of Medicine



## INTRODUCTION

Cervical spinal cord injury has a profound impact on a person's independence and quality of life. Upper limb reconstruction allows patients to regain some independence in feeding and caring for themselves. It involves familiar principles of nerve or tendon transfer, tenodesis, and joint fusion applied in uncommon specialized scenarios.

This full day cadaveric course aims to equip participants with skills in dissecting the radial and median nerves in the forearm, harvesting and tensioning tendon transfers for elbow extension and pinch, extensor and intrinsic tenodesis. During decompression of radial and median nerves in the forearm, one can see the motor nerve branches of supinator, flexor digitorum superficialis, posterior and anterior interosseous nerves that are used for tetraplegia nerve transfers. The indications, pearls and pitfalls of each procedure will be discussed.

## PARTICIPATION DETAILS

This course is intended for Hand Surgery and Orthopaedic Surgery residents and fellows with an interest in the management of nerve palsy and upper limb reconstruction after spinal cord injury. Enrolment is also open to local and international specialists who wish to acquire this skill set for their future practice.

A two to three participants to one cadaveric limb ratio ensures generous hands on opportunities. Enrolment for the course is kept at a nominal sum with the remaining costs being absorbed by the lectureship.

Venue:

Ng Teng Fong Hospital  
Surgical Skills Laboratory, JSCEC  
Tower C, Basement 2  
1 Jurong East Street 21, Singapore 609606

## COURSE FACULTY

Professor Vincent R. Hentz, USA  
Professor Aymeric Lim, Singapore  
Mr Yong Fok Chuan, Singapore  
Associate Professor Alphonsus Chong, Singapore  
Dr Sandeep Sebastin, Singapore  
Dr David Tan, Singapore

## REGISTRATION

Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Department/Hospital: \_\_\_\_\_  
Tel: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ Country: \_\_\_\_\_  
Email: \_\_\_\_\_

## REGISTERING AS

- Resident / Fellow - S\$500
- Local Specialist - S\$800
- International Specialist - S\$1000

Please mail your application together with your cheque/bank draft payable to  
**"NATIONAL UNIVERSITY OF SINGAPORE"**  
Department of Orthopaedic Surgery  
NUHS Tower Block, Level 11,  
1E Kent Ridge Road, Singapore 119228  
(Attn: Ms Janet Han)

For enquiries, please contact:

Ms Sandra Awyong / Ms Janet Han  
Tel: (65) 6772 5449/4340 Fax: (65) 6778 0720  
E-mail: [sandra\\_awyong@nuhs.edu.sg](mailto:sandra_awyong@nuhs.edu.sg)/  
[janet\\_han@nuhs.edu.sg](mailto:janet_han@nuhs.edu.sg)

## CONDUCT OF COURSE

This course offers a structured program that allows the participants to acquire relevant skills in nerve dissection before proceeding to advanced tendon transfer and tenodesis techniques.

Each segment of the course is preceded by a presentation relevant to procedure. A live demonstration of the surgical technique will follow, allowing the participants to observe how it is done, before they attempt to carry out the procedure. There will be table instructors ready to give pointers and clarification as the participants are performing the procedure.

Pre-course reading materials with the relevant articles will be made available to the participants to equip them with the foundational knowledge that is requisite for the successful conduct of the course.

Upon completion of the course, the participant should have gained an appreciation and understanding of the following :

- Surgical anatomy around the median and radial nerves in the forearm
- Principles of tendon transfer
- Tendon transfer for elbow extension and thumb / finger flexion
- Tenodesis for finger extensors and intrinsic

*(Course is CME points accredited)*

## MORNING PROGRAM

08:00 – 08:30	Registration
08:30 – 09:30	Nerve Decompression: Radial Tunnel and Superficial Radial Nerve
09:30 – 10:30	Nerve Decompression: Median Nerve at Pronator Tunnel
10:30 – 11:00	Coffee Break
11:00 – 12:30	Tendon Transfers for Tetraplegia: Biceps to Triceps
12:30 – 13:30	Lunch and Photo Taking

## AFTERNOON PROGRAM

13:30 – 14:30	Tendon Transfers for Tetraplegia: BR to FPL/ FPL to EPL/ ECRL to FDP
14:30 – 15:30	Tendon Transfers for Tetraplegia: Extensor Tenodesis/ FPL tenodesis
15:30 – 17:00	Tendon Transfers for Tetraplegia: Lasso / House Intrinsic Tenodesis with Tendon Graft
17:00 – 17:30	Closing Ceremony / Awarding of Certificates