



**Reconstructive Microsurgery**  
European School



# IV DISSECTION TECHNIQUES IN LYMPHATIC MICROSURGERY- HANDS ON LIVE ANIMAL MODEL

**Diagnostics, indications, treatment options,  
postoperative care and practical training**

**24th - 26th October 2022**

## **Chairs**

- Isao Koshima
- Jaume Masià
- Sinikka Suominen

## **Faculty**

- Isao Koshima (Japan)
- Takumi Yamamoto (Japan)
- Jaume Masià (Spain)
- Gemma Pons (Spain)
- Sinikka Suominen (Finland)
- Joon Pio Hong (Korea)

## **Lab Technicians**

- Elena Abellán (Spain)
- José Luis Campos (Spain)

# Monday 24th October 2022

08.00 - 08.15 h

## Welcome

08.15 - 09.00 h

- What is the institute? Animal treatment. How to work in the animal lab (*J.L. Campos*)
- Non-live animal model (*S. Suominen*)
- Rabbit animal model (*G. Pons*)
- Pig animal model (*J.L. Campos*)

09.00 - 10.30 h

## SESSION 1

- The lymphatic system: Anatomy and physio-pathology (*J.P. Hong*)
- Lymphatic disorders (*S. Suominen*)
- Imaging of the lymphatic system (*G. Pons*)
- Surgical approach to the Lymphatic System (*J. Masià*)

10.30 - 11.00 h

## Coffee Break

11.00 - 13.00 h

## PRACTICAL SESSION 1

Identification and dissection of lymph vessels in the groin and neck by using PDE device

13.00 - 14.00 h

## Lunch Break

14.00 - 16.00 h

## SESSION 2

- LVA: The Japanese contribution to the lymphedema surgery (*I. Koshima*)
- How to get started with LVA (*J.P. Hong*)
- LVA: Technical tricks and tips (*T. Yamamoto*)
- Ultrasound visualization of the lymphatic vessels: a new tool for pre-operative planning (*T. Yamamoto*)

16.00 - 18.00 h

## PRACTICAL SESSION 2

Microsurgical Lymphatico-venous anastomosis in the neck and groin

20.30 h

## Course dinner



# Tuesday 25th October 2022

08.00 - 09.40 h

## SESSION 3

- I Free lymph-node transfer: anatomy, technique, donor site (*S. Suominen*)
- Donor site options for lymph node transfer (*I. Koshima*)
- Shadows and limitations in lymph node transfer (*J. Masià*)
- Reverse mapping in lymph node transfer (*G. Pons*)

09.20 - 09.40 h

## Coffee Break

09.40 - 12.00 h

## PRACTICAL SESSION 3

LNT in the groin

12.00 - 13.30 h

## Lunch Break

13.30 - 18.30 h

## PRACTICAL SESSION 4

LNT in the neck and choice of repeating a previous exercise

# Wednesday 26th October 2022

08.30 - 09.00 h

## KEYNOTE LECTURE

Research and training in supermicrosurgery (*J.P. Hong*)

09.00 - 11.00 h

## SESSION 4

- Pre/Post operative conservative treatment and follow-up (*G. Pons*)
- How to treat lymphatic fistulas and lymphorrhea (*T. Yamamoto*)
- How to set up a lymphedema network in Korea vs Europe (*J.P. Hong / J. Masià*)
- Insights in lymphedema surgery (*I. Koshima*)

11.00 - 12.00 h

## VIDEOSURGERY SESSION

- LVA (*T. Yamamoto*)
- Vascularised lymph node transplantation (*J. Masià*)

12.00 - 13.00 h

## Practical case discussion

(*All faculty*)



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### Course venue

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