



Minimally-Invasive Treatments

*of the*

**THYROID**



**MITT  
2025**

present and future  
of thyroid ablation

**MENTON** FRANCE

**6-7 FEBRUARY 2025**

Palais de l'Europe

Minimally Invasive Thyroid Treatments (MITT) are reaching an increasingly important role in the management of patients with benign and malignant thyroid diseases.

The MITT group has been founded in 2018 to promote multidisciplinary partnership among physicians with different expertise who share the interest in MITT and to improve the clinical, diagnostic, and therapeutic management of benign and malignant thyroid and parathyroid glands diseases.

For the proper application of MITT, a deep knowledge of thyroid US technique and exam execution and interpretation are of paramount importance. For this reason, before the 2025 MITT meeting a full morning will be dedicated to a thyroid US ultrasound, where all the crucial aspects related to MITT will be presented and discussed.

Then, during the 2025 MITT meeting, the present guidelines on both benign and malignant thyroid disease management will be presented, together with the most widely used technologies used for ablation. Also, the most updated evidence on the application of MITT in benign and malignant thyroid conditions will be presented and discussed.

Furthermore, a series of real-life clinical cases will be presented and discussed between the expert panel and the participants.

During the whole meeting and at the end of the second day hands-on workshops will be available for those who will want to try the different available technologies and techniques on dedicated phantoms.

Minimally-Invasive Treatments  
of the  
**THYROID**  
MITT  
2025 present and future  
of thyroid ablation

## SCIENTIFIC COMMITTEE

Stella Bernardi, Trieste - IT	Enrico Papini, Albano Laziale, RM - IT
Edouard Ghanassia, Sète - FR	Luca Maria Sconfienza, Milan - IT
Giovanni Mauri, Milan - IT	Luigi Solbiati, Milan - IT
Hervé Monpeyssen, Paris - FR	Stefano Spiezia, Naples - IT

## FACULTY

Giovanni Antonelli, Naples - IT  
Stella Bernardi, Trieste - IT  
Spyridon Chytiris, Pavia - IT  
Izabella Costa Santos, Rio De Janeiro - BR  
Pál Ákos Deák, Budapest - HU  
Maurilio Deandrea, Turin - IT  
Andrea Frasoldati, Reggio Emilia - IT  
Edouard Ghanassia, Sète - FR  
Pierluigi Glielmo, Milan - IT  
Estelle Haddad, Lyon, FR  
Pauline Juttet, Lyon-Villeurbanne - FR  
Miriam Ladsous, Lille - FR  
Alexandre Lemaitre, Sète - FR  
Jean-Guillaume Marchand, Paris - FR  
Pierre-Yves Marcy, Ollioules - FR  
Giovanni Mauri, Milan - IT  
Claudia Misso, Naples - IT  
Hervé Monpeyssen, Paris - FR  
Salvatore Monti, Rome - IT  
Arnaud Muller, Lyon - FR  
Roberto Novizio, Rome - IT  
Giampaolo Papi, Carpi, MO - IT  
Enrico Papini, Albano Laziale, RM - IT  
Marine Peria, Armiens - FR  
Sylvain Poirée, Paris - FR  
Gilles Russ, Paris - FR  
Lorena Savluk, Buenos Aires - AR  
Luca Maria Sconfienza, Milan - IT  
Eveline Therese Slotema, Marseille - FR  
Luigi Solbiati, Milan - IT  
Stefano Spiezia, Naples - IT

With the collaboration of:



THURSDAY, 6<sup>TH</sup> FEBRUARY, 2025

COURSE



Hall 2

## PRE-CONGRESS COURSE

### Advanced Ultrasound Course

FROM NODULE SELECTION TO INTERVENTIONAL PROCEDURES  
VIA PERCUTANEOUS ETHANOL INJECTION

Small groups (Participants will be divided into small groups, reproducing the expert approach with dedicated proctors)

**Coordinator:** Edouard Ghanassia, Sète - FR

**Chairpersons:** Enrico Papini, Albano Laziale, RM - IT, Luca Maria Sconfienza, Milan - IT

**Proctors:** Giovanni Antonelli, Edouard Ghanassia, Estelle Haddad, Miriam Ladsous, Pierre-Yves Marcy, Jean-Guillaume Marchand, Claudia Misso, Hervé Monpeyssen, Arnaud Muller, Sylvain Poirée, Pauline Juttet, Giampaolo Papi, Enrico Papini, Gilles Russ, Lorena Savluk, Eveline Therese Slotema

08.00-08.30 Registration

08.45-09.00 Introduction to the course and pre-test  
Edouard Ghanassia, Sète - FR, Enrico Papini, Albano Laziale, RM - IT

09.00-10.00 Revisiting the ultrasound (US) workup  
for thyroid nodules candidate to MITT (Hands-on)

- > Echo-anatomy: identification of danger zones, nerves and plexis, vessels, normal parathyroid - Giovanni Antonelli, Naples - IT
- > Lymph nodes - Pierre-Yves Marcy, Ollioules - FR
- > Pitfalls and variants - Stefano Spiezia, Naples - IT

10.00-11.00 Clinical cases: is this patient eligible for MITT?  
(Clinical vignettes and interactive quiz)

- > Case 1 - Estelle Haddad, Lyon - FR
- > Case 2 - Eveline Therese Slotema, Marseille - FR
- > Case 3 - Sylvain Poirée, Paris - FR
- > Case 4 - Giovanni Antonelli, Naples - IT
- > Case 5 - Lorena Savluk, Buenos Aires - AR
- > Case 6 - Enrico Papini, Albano Laziale, RM - IT

11.00-12.30 PERCUTANEOUS ETHANOL INJECTION  
AND US MANIPULATIONS

- > How I do it (video lecture) - Hervé Monpeyssen, Paris - FR
- > HANDS ON (dummies): 10 min. per person
- > PIUR 3D US demonstration  
Edouard Ghanassia, Sète - FR, Giampaolo Papi, Carpi, MO - IT
- > Training with proctors

THURSDAY, 6<sup>TH</sup> FEBRUARY, 2025

Hall Theatre



13.00-13.45 Registration to the EURO MITT meeting 2025

13.45-14.00 WELCOME SESSION

**Chairpersons:** Edouard Ghanassia, Sète - FR, Giovanni Mauri, Milan - IT

Welcome in Menton

Nicolas Amoretti, Nice - FR, Charles Raffaelli, Nice - FR

14.00-16.20 SESSION 1

### BEFORE the procedure

**Chairpersons:** Maurizio Deandrea, Turin - IT, Edouard Ghanassia, Sète - FR

#### 1.1 Before the procedure: nodule and patient selection - approaching the «zero risk»

14.00-14.30 The nodule diagnosis issues

Edouard Ghanassia, Sète - FR, Jean-Guillaume Marchand, Paris - FR

- > The imaging (US & functional) issue
- > The cyto-histologic issue
- > The uncertainty issue

14.30-14.45 Discussion

14.45-14.55 Current indication benign disease

Enrico Papini, Albano Laziale, RM - IT

14.55-15.05 Current indication malignant disease

Giovanni Mauri, Milan - IT

15.05-15.20 Discussion

#### 1.2 Before the procedure: the techniques

15.20-15.30 RFA in 2025

Pál Ákos Deák, Budapest - HU

15.30-15.40 Laser in 2025

Edouard Ghanassia, Sète - FR

15.40-15.50 MWA in 2025

Stefano Spiezia, Naples - IT

15.50-16.00 nsPFA in 2025

Claudia Misso, Naples - IT

16.00-16.20 Discussion

16.20-16.55 Break

## Hall Theatre

- 16.55-19.15 **SESSION 2**  
**DURING the procedure**  
Room setting and patient management through clinical cases  
**Chairpersons: Giovanni Antonelli**, Naples - IT, **Giovanni Mauri**, Milan - IT
- 16.55-17.15 **Case 1 - Preprocedural workup is NOT an option**  
**Hervé Monpeyssen**, Paris - FR
- 17.15-17.35 **Case 2 - Anesthesia: from local infiltration and regional nerve block to musicare and hypnosis**  
**Alexandre Lemaitre**, Sète - FR
- 17.35-17.55 **Case 3 - RFA 1 - how I do it**  
**Edouard Ghanassia**, Sète - FR
- 17.55-18.15 **Case 4 - RFA 2 - how I do it**  
**Pierluigi Glielmo**, Milan - IT, **Giovanni Mauri**, Milan - IT
- 18.15-18.35 **Case 5 - Laser - how I do it**  
**Giampaolo Papi**, Carpi, MO - IT
- 18.35-18.55 **Case 6 - MWA - how I do it**  
**Spyridon Chytiris**, Pavia - IT
- 18.55-19.15 **Case 7 - Large nodules - how i do it**  
**Salvatore Monti**, Rome - IT

## Hall Theatre

- 08.00-10.00 **SESSION 3**  
**Somewhere BETWEEN procedures and literature**  
**Chairpersons: Stella Bernardi**, Trieste - IT, **Luigi Solbiati**, Milan - IT
- 3.1 Updates**
- 08.00-08.10 Latest results in BTN: is everything settled?  
**Izabella Costa Santos**, Rio De Janeiro - BR
- 08.10-08.20 *Discussion*
- 08.20-08.30 Latest results in PTMC: how far are we?  
**Enrico Papini**, Albano Laziale, RM - IT
- 08.30-08.40 *Discussion*
- 08.40-08.50 Recurrent and metastatic thyroid tumors  
**Giovanni Mauri**, Milan - IT
- 08.50-09.00 *Discussion*
- 3.2 Hot topics**
- 09.00-09.10 Parathyroid ablation  
**Pál Ákos Deák**, Budapest - HU
- 09.10-09.20 *Discussion*
- 09.20-09.30 AFTN: when and how?  
**Arnaud Muller**, Lyon - FR
- 09.30-09.40 *Discussion*
- 09.40-09.50 The cost balance: MIT vs surgery  
**Roberto Novizio**, Rome - IT
- 09.50-10.00 *Discussion*
- 10.00-10.30 **Break**



FRIDAY, 7<sup>TH</sup> FEBRUARY, 2025

## Hall Theatre

## 10.30-12.10 SESSION 4 AFTER the procedure

**Chairpersons:** **Andrea Frasoldati**, Reggio Emilia - IT,  
**Lorena Savluk**, Buenos Aires - AR

### 4.1 Post-procedure evaluation

10.30-10.40 Clinical and US post-treatment evaluation:  
modalities and standardized report  
**Gilles Russ**, Paris - FR

10.40-10.50 *Discussion*

10.50-11.00 The use of 3D US for post-treatment evaluation  
**Giampaolo Papi**, Carpi, MO - IT

11.00-11.10 *Discussion*

11.10-11.20 Complications: management of pain, voice changes,  
local bleeding and nodular rupture  
**Pierre-Yves Marcy**, Ollioules - FR

11.20-11.30 *Discussion*

### 4.2 The universe of relapse, regrowth and retreatment

11.30-11.40 Relapse, regrowth, retreatment: risk factors and prediction  
**Stella Bernardi**, Trieste - IT

11.40-11.50 *Discussion*

11.50-12.00 Relapse, regrowth, retreatment: practical management - curative  
and preventive strategies  
**Maurilio Deandrea**, Turin - IT

12.00-12.10 *Discussion*

## 12.10-13.15 Closing the meeting with our partners and perspectives

### 12.10-13.00 INDUSTRY FOCUS

13.00-13.15 Presentation of EURO-MITT and perspectives  
**Edouard Ghanassia**, Sète - FR, **Giovanni Mauri**, Milan - IT

HANDS-ON  
COURSE

① ② ③

PARALLEL SESSION

## Hall 2

Participants will have the opportunity to perform ablation on dedicated phantoms with different ablation systems on various stations

## Proctors

Giovanni Antonelli, Pál Ákos Deák, Maurilio Deandrea, Pierre-Yves Marcy, Salvatore Monti, Arnaud Muller, Giampaolo Papi, Marine Peria, Sylvain Poirée, Gilles Russ, Eveline Therese Slotema, Pauline Juttet

COURSE

THURSDAY, 6<sup>TH</sup> FEBRUARY, 2025

14.00-16.30 HANDS-ON COURSE ①  
**Thermal ablation**  
20 participants

FRIDAY, 7<sup>TH</sup> FEBRUARY, 2025

08.00-10.30 HANDS-ON COURSE ②  
**Thermal ablation**  
20 participants

14.00-17.30 HANDS-ON COURSE ③  
**Thermal ablation**  
35 participants





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