

### Registration

Please register on our website: [www.arkana-forum.com](http://www.arkana-forum.com)

### Price

642.60 € (incl. 19% VAT - Germany)

### Terms of payment / Registration

The course fee must be paid in advance, at the latest 2 weeks before the start of the course - please note that course participation is only confirmed once payment has been received. If your registration is cancelled, we will refund the course fee, except for a 25 EUR administration fee. The information about the cancellation must be received at least 2 weeks before the start of the course. If the cancellation is made later or if the participant does not take part in the course, we are entitled to retain the full course fee.

### Certification

8 - 12 CME credits

Rhineland-Palatinate Medical Association  
(has been applied for)

### Location

University Medicine of the Johannes-Gutenberg-University  
Mainz, Germany  
Langenbeckstraße 1  
55131 Mainz

In cooperation with



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The protection of your data is very important to us. The data submitted with your registration will only be used for the organisation of this event, so that we can inform you and keep you up to date about the event details. Your data will not be passed on to third parties outside the inomed group. If you do not wish to receive further event information, please let us know.

### TOPIC

- continuous intraoperative neuromonitoring (cIONM) in thyroid surgery
- (auto)fluorescence imaging of parathyroid glands

### TARGET GROUP

- Surgeons who already use cIONM and who want to deepen their knowledge
- Surgeons who use intermittent IONM and who want to newly establish cIONM in their clinic

### Sponsors:



**inomed Medizintechnik GmbH**  
amount: 1.500 Euro (excl. VAT)



**PlantTec Medical GmbH**  
amount: 1.150 Euro (excl. VAT)

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Information and registration:

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# ARKANA FORUM

## MEDICAL EDUCATION CENTER

07 - 08 March 2024



### INVITATION

2024 | cIONM and (auto)fluorescence  
imaging in thyroid surgery

[www.arkana-forum.com](http://www.arkana-forum.com)



Dear colleagues and friends,

we are pleased to announce the upcoming course „continuous intraoperative Neuromonitoring in Thyroid Surgery“ in Mainz.

New aspects of continuous intraoperative neuromonitoring (cIONM) and proven tips for its practical handling will be shared.

Even though both, intermittent and continuous IONM, have been used for many years in thyroid surgery now, uncertainties in the Gold Standard implementation of both methods still exist - especially pitfalls in the interpretation of EMG signals.

This course offers a better understanding of the current state-of-the-art handling and the thereof optimal intraoperative assessment of the nerve function of the vagus nerve and the recurrent laryngeal nerve.

Moreover, the method of (auto)fluorescence imaging of the parathyroid glands in order to preserve parathyroid function will be presented.

As a highlight, you will have the chance to observe live surgeries. We will demonstrate the application of cIONM for thyroidectomies - if possible, with central or (uni)lateral lymphadenectomy - as well as intraoperative fluorescence imaging of parathyroid glands.

We invite you to join this interesting course, to ask questions, participate in discussions, and enjoy networking with peers. My team and I are looking forward to welcoming you.

**Prof. Dr. Thomas J. Musholt, FEBS-ES**

Professorship and Section Head „Endocrine Surgery“  
Deputy Director of the Department of General, Visceral and Transplantation Surgery (AVTC)  
University Medicine of the Johannes-Gutenberg-University Mainz, Germany

## Program

### THURSDAY, 07 MARCH 2024

- 16:30 **Registration and welcome** (Novotel Mainz)  
17:00 **Video tutorials:**  
discussions and response to questions  
18:00 **Introduction of patients and cases for live-surgery:**  
Medical histories and planned surgeries for the next day  
18:30 **Social event** (Kupferberg-Terrassen,  
situated next to Novotel Mainz)

### FRIDAY, 08 MARCH 2024

- 08:15 **Arrival at the designated meeting room**  
08:20 **Changing rooms and tour of the OR**  
08:30 **Tips and tricks for intubation when using cIONM:**  
Tube size and adhesive electrodes  
08:45 Special considerations for pediatric surgeries,  
tracheal resections, etc.; IONM in non-thyroid  
surgeries  
09:00 **Coffee break and discussion**  
09:15 **Live surgeries**
  - cIONM of the N. vagus,  
N. laryngeus recurrens
  - Intraoperative (auto)fluorescence imaging of  
the parathyroid glands and their  
vascularizationapprox. **Case presentation and video demonstrations**  
11:45  
(following the surgeries)  
13:45 **Closing remarks**

### VIDEO TUTORIALS

To ensure the best learning experience for the course participants, pre-course video tutorial learning is mandatory before visiting the operating room in Mainz. Completion of the tutorials (total: ca. 2 hours) will be monitored, and some quiz questions will be asked.

#### Tutorial 1

“Requirements and standards for the application of cIONM: cIONM setup and electrode positioning”

#### Tutorial 2

“Requirements and standards for the application of cIONM: signal quality and standard monitoring procedure”

#### Tutorial 3

“Surgery video: thyroid lobectomy using cIONM”

#### Tutorial 4

“Causes and characteristics of artefacts to be distinguished from EMG changes that predict impending nerve damage”

#### Tutorial 5

“Definition and causes of IONM loss-of-signal (LOS) and how to react in the OR”

#### Tutorial 6

“Optimal positioning of tube electrodes: presentation of the results of the LION trial”

#### Tutorial 7

“(Auto)fluorescence imaging of parathyroid glands: basics”

#### Tutorial 8

“(Auto)fluorescence imaging of parathyroid glands: clinical case presentation”

### MEDICAL DIRECTOR

**Prof. Dr. Thomas J. Musholt, FEBS-ES**

### SPEAKERS

**Priv.-Doz. Dr. Julia I. Staubitz-Vernazza, FEBS-ES**  
AVTC, University Medicine, Mainz, Germany

#### Dr. Nabila Bouzakri

AVTC, University Medicine, Mainz, Germany

#### Priv.-Doz. Dr. med. Marc Kriege, EDAIC

Dept. of Anaesthesiology, University Medicine,  
Mainz, Germany

#### Dr. Gianluca Donatini, MD, PhD, FEBS-ES

Head, Endocrine Surgery Department  
University Hospital Center (CHU) Poitiers  
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