

2022

1<sup>ST</sup> EDITION

ELEC

EUROPEAN LIQUID EMBOLIC COURSE

OCTOBER  
27<sup>TH</sup>-29<sup>TH</sup>  
DIJON  
FRANCE

PRELIMINARY  
PROGRAM

COURSE DIRECTOR:

Prof. Romaric LOFFROY

CO-DIRECTOR:

Prof. Marco MIDULLA

*François-Mitterrand University Hospital,  
Dijon, France*

Discover, learn and share on when, why,  
and how to use liquid embolic agents

Educational live cases transmission with european operators

Hands-on corner – Current researches and perspectives

[WWW.ELEC-IR.COM](http://WWW.ELEC-IR.COM)

# Why did we create this new course?

Liquid embolization is currently used more and more by interventional radiologists, out of neuro embolization. High embolic efficiency and good clinical results are the main strengths of liquid embolic agents.

However, liquid managements and practices are different and a bit more complex than using conventional coils or particles. That's why, we have conceived ELEC, European Liquid Embolic Course, an annual event to support all IR willing to learn and develop this innovative techniques into their daily practice.

Liquid embolics can generally be classified into 3 main groups, cyanoacrylates (glue), non-adhesive DMSO based embolics and sclerosants.

Despite their similarities, these products demonstrate also some big differences. Among cyanoacrylates, there are some distinctions too that IRs should know. DMSO based embolics include ethylene-vinyl-alcohol-copolymer (EVOH), N-phenyl amide-modified methyl methacrylate/acrylic acid copolymer and Iodinated polyvinyl alcohol polymer ether. Sclerosants include alcohol, polidocanol, sotradecol and doxycycline that can be applied pure, mixed with contrast or in foam.

Knowing the indications for use, chemical properties and clinical benefits, edges and risks of these products are essential for a well-trained IR.

This learning curve will be realized in collaboration with a european Faculty, through a 3-day course, featured by educational live cases transmissions from François Mitterrand University Hospital Dijon and case-based interactive discussions, tips&tricks from real life experience, hands-on sessions, short lectures on latest data and techniques, to allow all participants to get the expertise that IR need in the management of liquid embolic agents.

We truly hope this 1<sup>st</sup> Edition of ELEC will meet all of your expectations, and we look forward to meeting you in Dijon in March 2021!



**Prof. Romaric Loffroy,**  
Course Director



**Prof. Marco Midulla,**  
Co-Director



# ● Learning objectives

**Sharing experience**  
on your liquid embolization practice

**Get trained on techniques & tools**  
for liquid embolics applications

**Discover the perspectives of development** of liquid embolics  
pointing out the future directions

**Studying the edges & risk**  
of liquid embolics

**Enhance your expertise**  
in the use of liquid embolic agents

# Local organization



## COURSE VENUE

Dijon Exhibition & Convention Centre  
Centre Clemenceau - 3, Bd de Champagne  
21078 Dijon Cedex - France  
Tel. +33 03 80 77 39 00

## SCIENTIFIC CONTACT

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## ORGANIZATION

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# Scientific committee

**Romaric LOFFROY**, Course Director & **Marco MIDULLA**, Co-Director  
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& Research Center  
Riyadh, Saudi Arabia

**Tiago BILHIM**  
Lisboa Central University Hospital  
Portugal

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Varese, Italy

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Buenos Aires, Argentina

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**Geert MALEUX**  
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Canada

**José URBANO**  
Ramon y Cajal University Hospital,  
Madrid, Spain

**Massimo VENTURINI**  
Circolo Hospital  
Varese, Italy

**Vincent VIDAL**  
La Timone Hospital  
Marseille, France

# SCIENTIFIC COMMITTEE

Thursday, **October 27<sup>th</sup>**

# PROGRAM

14.15 WELCOME/INTRODUCTION  
*Romaric Loffroy & Marco Midulla*

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14.30 **LIQUID EMBOLIC AGENTS OVERVIEW**

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16.00 Chair: G.Soulez  
Moderators: G. Maleux, J. Urbano & V.Vidal

14.30 > **Ethiodized oil**, *Geert Maleux*

- Properties & indications
  - Tips & tricks for use
- 

14.45 > **Cyanoacrylates**, *José Urbano*

- Properties & indications
  - Tips & tricks for use
- 

15.00 > **Copolymers**, *Vincent Vidal*

- Properties & indications
  - Tips & tricks for use
- 

15.15 > **Sclerosants & alcohol**, *Gilles Soulez*

- Properties & indications
  - Tips & tricks for use
- 

15.30 > **Case presentation: How would you treat?** *Romaric Loffroy*

Thursday, **October 27<sup>th</sup>**

# PROGRAM

16.00



COFFEE BREAK

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16.30



18.00

## **PART 1 DRILL DOWN INTO COPOLYMERS**

*Chair: R. Loffroy*

*Moderators: G. Carrafiello, C-M Sommer, I. McCafferty & L. Defreyne*

16.30 > **LIVE CASE 1**

### **"EMBOLIZATION USING DMSO-BASED LIQUIDS"**

*Operators: Hicham Kobeiter & Marco Midulla*

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17.00 > **How do I do it ?**

- **Lymphography**, Christof-Matthias Sommer
  - **Type 2 endoleak**, Luc Defreyne
- 

17.30 > **MY WORST CASE / MY BEST CASE WITH LIQUIDS**

- Gianpaolo Carrafiello
  - Ian McCafferty
- 

18.00 > **Industry Session**

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18.30 > **Closing remarks**

Friday, **October 28<sup>th</sup>**

# PROGRAM

08.30



10.30

## **PART 2 DRILL DOWN INTO COPOLYMERS**

Chair: M. Midulla

Moderators: B. Peynircioglu, R. Garcia-Monaco, V. Vidal & J. Urbano

### 08.30 > **LIVE CASE 2**

#### **"EMBOIZATION USING COPOLYMERS"**

Operators: Romaric Loffroy & Ian McCafferty

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### 09.15 > **CONTROVERSY: CYANOACRYLATES OR COPOLYMERS FOR BLEEDING PATIENTS?**

- **Cyanoacrylates first**, Bora Peynircioglu
- **Copolymers first**, Vincent Vidal

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### 09.45 > **MY WORST CASE / MY BEST CASE WITH LIQUIDS**

- *Ricardo Garcia-Monaco*
- *José Urbano*

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10.30



**COFFEE BREAK**

Friday, **October 28<sup>th</sup>**

# PROGRAM

11.00



12.30

## **PART 1 DRILL DOWN INTO CYANOACRYLATES**

*Chair: L. Defreyne*

*Moderators: M. Badran, T. Bilhim, M. Sapoval & S. Qanadli*

### 11.00 > **LIVE CASE 3**

#### **"EMBOLIZATION USING CYANOACRYLATES & ETHIODIZED OIL"**

*Operators: Geert Maleux & Romaric Loffroy*

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### 11.30 > **How do I do it ?**

- **Portal Vein Embolization**, *Tiago Bilhim*
  - **Complex AVM**, *Mohammad Badran*
- 

### 12.00 > **MY WORST CASE / MY BEST CASE WITH LIQUIDS**

- *Marc Sapoval*
  - *Salah Qanadli*
- 

12.30



**LUNCH BREAK**



Friday, **October 28<sup>th</sup>**

# PROGRAM

13.45



15.30

## **PART 2 DRILL DOWN INTO CYANOACRYLATES**

Chair: I. McCafferty

Moderators : R. Garcia-Monaco, H. Kobeiter, R. Loffroy & M. Venturini

13.45 >  **LIVE CASE 4**

### **"EMBOLIZATION USING CYANOACRYLATES & ETHIODIZED OIL"**

Operators: José Urbano & Marco Midulla

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14.30 > **CONTROVERSY: WHICH EMBOLICS FOR VARICOCELE & PCS?**

- **Sclerosants first**, Ricardo Garcia-Monaco
  - **Cyanoacrylates first**, Romaric Loffroy
- 

15.00 > **MY WORST CASE / MY BEST CASE WITH LIQUIDS**

- Hicham Kobeiter
  - Massimo Venturini
- 

15.30



**COFFEE BREAK**

Friday, **October 28<sup>th</sup>**

# PROGRAM

16.00



17.30

## **PART 3 DRILL DOWN INTO COPOLYMERS**

*Chair: G. Soulez*

*Moderators: V. Vidal, G. Maleux, C-M. Sommer & J. Urbano*

16.00 > **LIVE CASE 5**

### **"EMBOLIZATION USING COPOLYMERS"**

*Operators: Marco Midulla & Marc Sapoval*

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16.45 > **CASE CHALLENGE:**

**Your daily practice experience: Participants cases**

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17.30 > **Industry Session**

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18.00 > **Closing remarks**



Saturday, **October 29<sup>th</sup>**

# PROGRAM

08.45



10.30

## **TIME FOR SCLEROSANTS !**

*Chair: M. Sapoval*

*Moderators: L. Defreyne, S. Qanadli, M. Badran & V. Vidal*

08.45 >  **LIVE CASE 6**

### **"EMBOIALIZATION USING SCLEROSANTS"**

*Operators: Ricardo Garcia-Monaco & Marco Midulla*

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09.30 > **How do I use polidocanol?** *Salah Qanadli*

**How do I use bleomycin & alcohol?** *Mohammad Badran*

**How do I use venaseal & fibro vein?** *Romarc Loffroy*

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10.00 > **MY WORST CASE / MY BEST CASE WITH LIQUIDS**

- *Luc Defreyne*

- *Vincent Vidal*

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10.30



**COFFEE BREAK**

Saturday, **October 29<sup>th</sup>**

# PROGRAM

11.00



13.00

## **EMERGING OUTLOOKS & PROGRESS IN DEVELOPMENTS**

Chair: R. Loffroy

Moderators: M. Sapoval, C.M Sommer, G. Soulez & A.V. Salsac

### **11.00 > Recent and on-going clinical studies**

- Highlights of the year regarding cyanoacrylates & lipiodol, *Salah Qanadli*
- Outstanding publications regarding copolymers & sclerosants, *Ian McCafferty*
- On-going clinical studies regarding liquids, *Geert Maleux*

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### **11.45 > Current experimental researches & perspectives: open discussion**

- Cyanoacrylates, *Anne-Virginie Salsac*
- Copolymers, *Vincent Vidal*
- Sclerosing agents, *Gilles Soulez*
- Lipiodol, *Christof Matthias Sommer*

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### **12.30 > A glimpse on live cases' patients,**

*Marco Midulla*

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### **12.45 > How would you treat? Follow up,**

*Romarc Loffroy*

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### **13.00 > Closing remarks,**

*Romarc Loffroy & Marco Midulla*

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### **13.00 > Industry Session**

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### **13.30 > Closing remarks**