

2022

1ST EDITION

ELEC

EUROPEAN LIQUID EMBOLIC COURSE

OCTOBER
27TH-29TH
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



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 1st 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

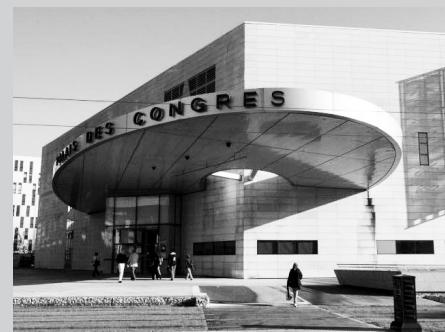
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Scientific committee

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Marseille, France

SCIENTIFIC COMMITTEE

Thursday, October 27th

PROGRAM

14.15 WELCOME/INTRODUCTION
Romaric Loffroy & Marco Midulla

14.30 LIQUID EMBOLIC AGENTS OVERVIEW

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 27th

PROGRAM

16.00



COFFEE BREAK

16.30

PART1 DRILL DOWN INTO COPOLYMERS



Chair: R. Loffroy

18.00

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

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**

18.30 > **Closing remarks**

Friday, October 28th

PROGRAM

08.30 **PART 2 DRILL DOWN INTO COPOLYMERS**



Chair: M. Midulla

10.30

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

08.30 > LIVE CASE 2

"EMBOLIZATION USING COPOLYMERS"

Operators: Romaric Loffroy & Ian McCafferty

09.15 > CONTROVERSY: CYANOACRYLATES OR COPOLYMERS FOR BLEEDING PATIENTS?

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

09.45 > MY WORST CASE / MY BEST CASE WITH LIQUIDS

- Ricardo Garcia-Monaco
- José Urbano

10.30



COFFEE BREAK

Friday, October 28th

PROGRAM

11.00
▼
12.30

PART 11 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

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 28th

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

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 28th

PROGRAM

16.00



PART 3 DRILL DOWN INTO COPOLYMERS

Chair: G. Soulez

17.30

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

16.00 > **LIVE CASE 5**

“EMBOLIZATION USING COPOLYMERS”

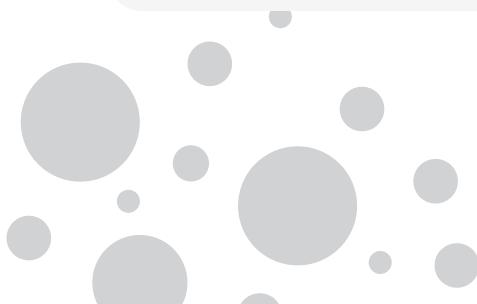
Operators: Marco Midulla & Marc Sapoval

16.45 > **CASE CHALLENGE:**

Your daily practice experience: Participants cases

17.30 > **Industry Session**

18.00 > **Closing remarks**



Saturday, October 29th

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**

"EMBOLIZATION USING SCLEROSANTS"

Operators: Ricardo Garcia-Monaco & Marco Midulla

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

How do I use bleomycin & alcohol? Mohammad Badran

How do I use venaseal & fibrovein? Romaric Loffroy

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

- Luc Defreyne
- Vincent Vidal

10.30  **COFFEE BREAK**

Saturday, October 29th

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*

11.45 > Current experimental researches & perspectives: open discussion

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

12.30 > A glimpse on live cases' patients,

Marco Midulla

12.45 > How would you treat? Follow up,

Romaric Loffroy

13.00 > Closing remarks,

Romaric Loffroy & Marco Midulla

13.00 > Industry Session

13.30 > Closing remarks