

2026

3RD EDITION

ELEC

EUROPEAN LIQUID EMBOLIC COURSE

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

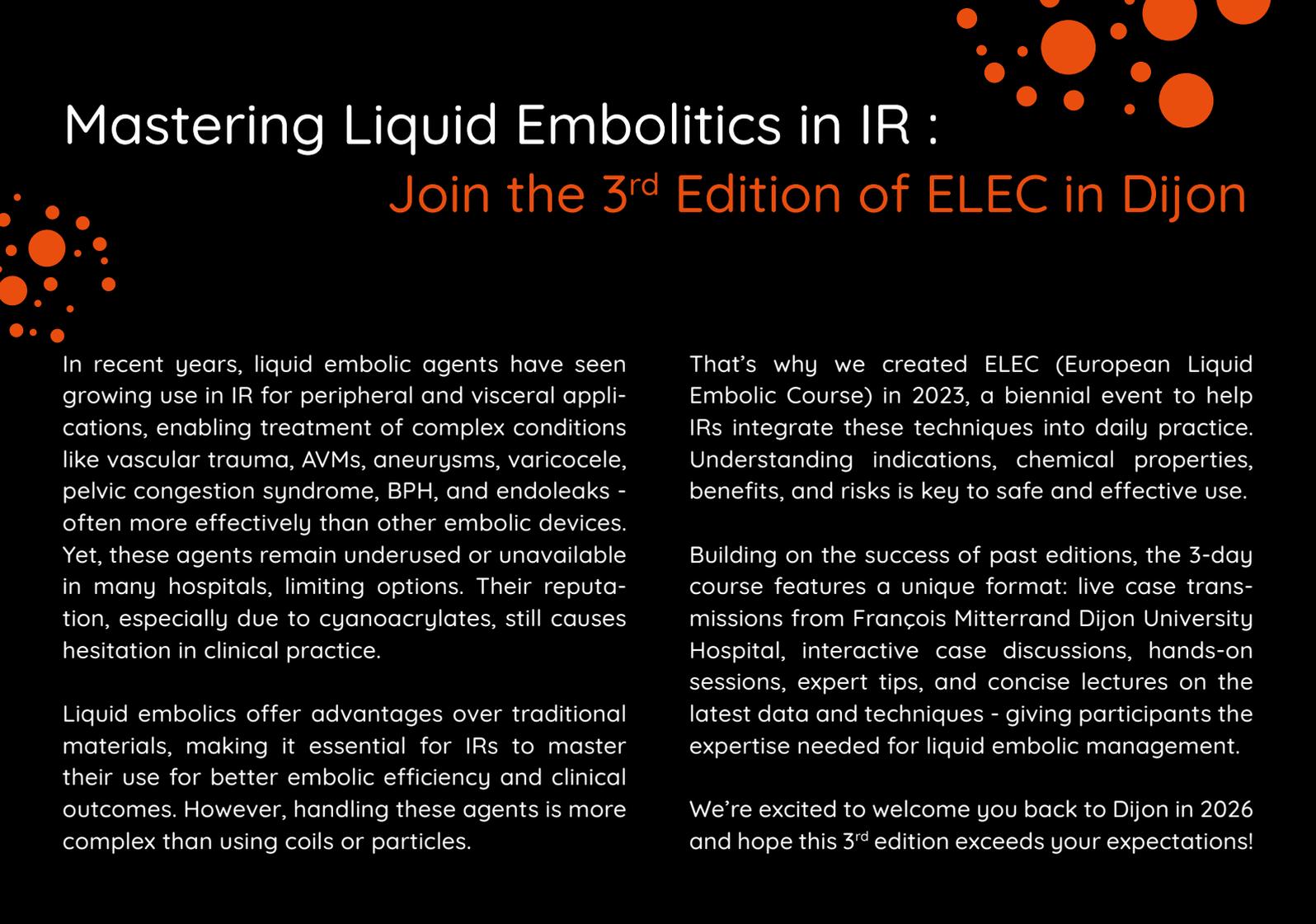
 *François-Mitterrand
University Hospital,
Dijon, France*

PROGRAM

MARCH
12TH TO 14TH
DIJON
FRANCE

COURSE DIRECTOR:
Prof. Romaric LOFFROY

WWW.ELEC-IR.COM



Mastering Liquid Embolitics in IR :

Join the 3rd Edition of ELEC in Dijon

In recent years, liquid embolic agents have seen growing use in IR for peripheral and visceral applications, enabling treatment of complex conditions like vascular trauma, AVMs, aneurysms, varicocele, pelvic congestion syndrome, BPH, and endoleaks - often more effectively than other embolic devices. Yet, these agents remain underused or unavailable in many hospitals, limiting options. Their reputation, especially due to cyanoacrylates, still causes hesitation in clinical practice.

Liquid embolics offer advantages over traditional materials, making it essential for IRs to master their use for better embolic efficiency and clinical outcomes. However, handling these agents is more complex than using coils or particles.

That's why we created ELEC (European Liquid Embolic Course) in 2023, a biennial event to help IRs integrate these techniques into daily practice. Understanding indications, chemical properties, benefits, and risks is key to safe and effective use.

Building on the success of past editions, the 3-day course features a unique format: live case transmissions from François Mitterrand Dijon University Hospital, interactive case discussions, hands-on sessions, expert tips, and concise lectures on the latest data and techniques - giving participants the expertise needed for liquid embolic management.

We're excited to welcome you back to Dijon in 2026 and hope this 3rd edition exceeds your expectations!

After a very successful first edition, we're excited to invite you to the 2nd ELEC Vet Lab!

Join us on Wednesday, March 11th, 2026 in Dijon for a hands-on pre-course focused on practice with pigs.

Limited seats available, registration required.

We look forward to seeing you there!



Prof. Romaric Loffroy,
Course Director



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

 **Learning**
objectives

Scientific committee

Course Director

Romaric LOFFROY,
François-Mitterrand University
Hospital, *Dijon, France*

Committee

Karim ABD EL TAWAD
Ain Shams University Hospital,
Le Caire, Egypt

Yahya AL-ASIRI
Vein Center for Vascular Surgery,
Jeddah, Saudi Arabia

Clare BENT
NHS, *Bournemouth, UK*

Tiago BILHIM
Lisboa Central University Hospital,
Lisbon, Portugal

Olivier CHEVALLIER
François-Mitterrand University
Hospital, *Dijon, France*

Federico COLLETTINI
Charite Universtatzmidicin,
Berlin, Germany

Pierre-Olivier COMBY
François-Mitterrand University
Hospital, *Dijon, France*

Luc DEFREYNE
Ghent University Hospital, *Belgium*

Alban DENYS
Centre Hospitalier Universitaire
Vaudois, *Lausanne, Suisse*

Adam FARKAS
Shaare Zedek Medical Center,
Jerusalem, Israel

Florian FLECKENSTEIN
Charite Universtatzmidicin, *Berlin,
Germany*

Mohamed FOUAD
François-Mitterrand University
Hospital, *Dijon, France*

Francesco GIURAZZA
Azienda Ospedaliera Antonio
Cardarelli, *Napoli, Italy*

Gerard GOH
Department of Radiology,
Melbourne, Australia

Gilles GOYAULT
Clinique Rhena, *Strasbourg,
France*

Jose Andres GUIROLA
University of Zaragoza, *Spain*

Hanno HOPE
University of Bern, *Switzerland*

Anna-Maria IERARDI
Milano Policlinic, *Milan, Italy*

Masanori INOUE
Department of Radiology, Fujita
Health University, *Aichi, Japan*

Inigo INSAUSTI
Hospital Universitario de Navarra,
Pamplona, Spain

Hicham KOBEITER
Henri Mondor Hospital, *Paris,
France*

Attila KOVACS
Robert Janker Klinik, *Bonn,
Germany*

Paul LOHLE
Tilburg University, *The Netherlands*

Pierleone LUCATELLI
Azienda Ospedaliera Policlinico
Umberto, *Rome, Italy*

Geert MALEUX
UZ Leuven, *Belgium*

Clément MARCELIN
CHU Bordeaux, *France*

Ian MCCAFFERTY
Queen Elizabeth Hospital
Birmingham, UK

Bora PEYNIRCIOGLU
Hacettepe University, *Ankara,
Turkey*

Marc SAPOVAL
Georges-Pompidou European
Hospital, *Paris, France*

Gilles SOULEZ
Montreal University Hospital,
Montreal, Canada

José URBANO
Madrid Vithas Hospitals, *Madrid,
Spain*

Vinko VIDJAK
Clinical Hospital Merkur, *Zagreb,
Croatia*

Moritz WILDGRUBER
Department for Radiology,
University Hospital, LMU, *Munich,
Germany*

General information

Course venue

Dijon Exhibition & Convention Centre
Centre Clemenceau
3, Bd de Champagne
21078 Dijon Cedex - France
Tel. +33 (0)3 80 77 39 00

Course hours

Thursday, March 12th: **13:45 - 18:15**
Friday, March 13th: **9:00 - 17:45**
Saturday, March 14th: **9:00 - 12:45**

Preview room

As soon as you arrive. Speakers and Case presenters, you may drop your presentation at the AV Control directly. A technician will help you (**As soon as you arrive**).

Gala dinner



10min tramway from the congress location
or 20min walk

The Gala dinner is on additional registration,
please check with the Registration Desk
(it is included for faculty).

WIFI:

Network/ID: **ELEC**
Password: **2026**

Organization onsite:

Louise-Marie Patout
lm.patout@comnco.com
Tel. +33 (06) 30 81 98 91

Lilou Ageon
l.ageon@comnco.com
Tel. +33 (0)7 77 20 47 48

Registrations:

Laurette Mossetti
registration@elec-ir.com
+33 (0)6 49 64 32 04

Milla Messika-Latona
registration@elec-ir.com
+33 (0)7 50 63 79 97



All live cases are
performed in a cathlab
equipped by

PHILIPS

Gala dinner



40 Rue des Forges,
21000 Dijon

at Mr Moutarde



Friday, March 13th

7:30 PM

Medtronic

Onyx™ liquid embolic system

Direct the flow.

From injection to occlusion, **you're in control.**



[Learn more](#)

21525074-en-gb-emea ©2026 Medtronic. All rights reserved.
Medtronic, Medtronic logo, and Engineering the extraordinary
are trademarks of Medtronic.
™Third-party brands are trademarks of their respective owners.
All other brands are trademarks of a Medtronic company.

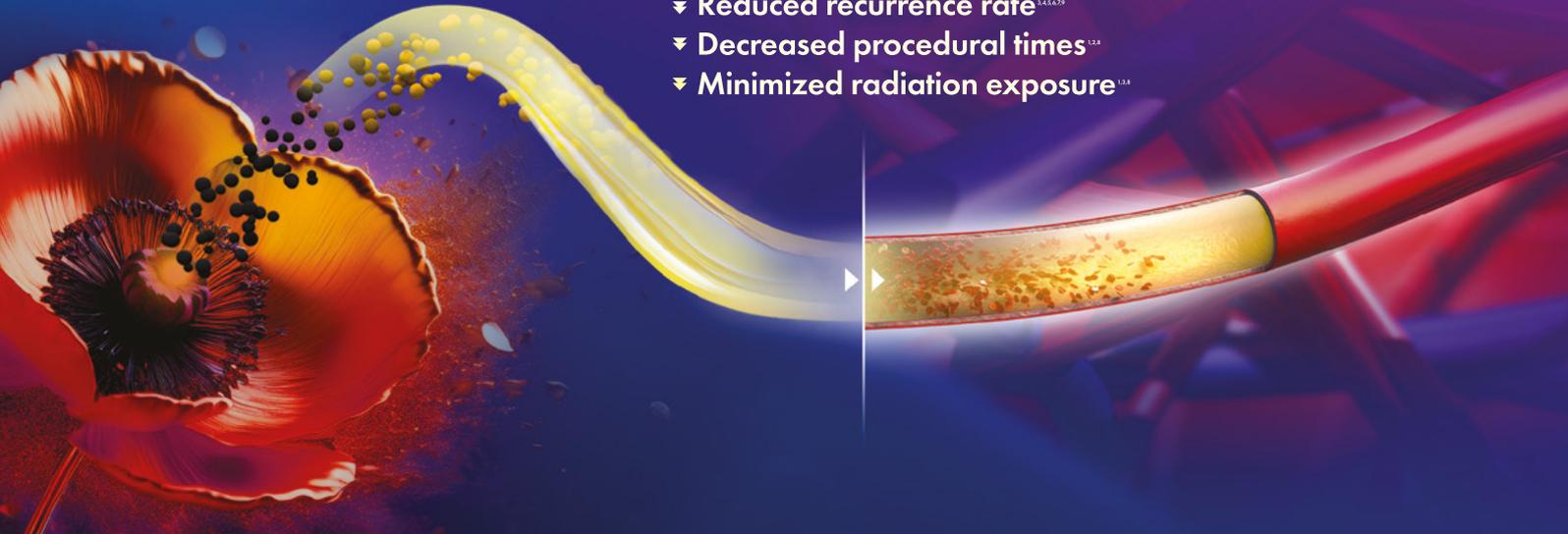


Lipiodol® UltraFluid

Ethyl esters of iodized fatty acids of poppy seed oil

Master Vascular Embolization

- ▼ Reduced recurrence rate^{1,4,5,6,7,9}
- ▼ Decreased procedural times^{1,2,4}
- ▼ Minimized radiation exposure^{1,3,8}



This information is intended for an international audience or is provided during an international event. Lipiodol® Ultra Fluid [Ethyl esters of iodized fatty acids of poppy seed oil] is not registered in all countries. Be aware that Indications, posology, and presentations may differ from country to country. For current and complete prescribing information refer to the local Summary of Product Characteristics (SmPC) and /or contact your local Guerbet organization.

1. Salet, E., Crombé, A., Grenier, N., Marcein, C., Lebras, Y., Jambon, E., Coussy, A., Cornelis, F. H., & Petitpierre, F. (2022). Prostatic aObstruction: Single-Centre Retrospective Study Comparing Microspheres versus N-Butyl cyanoacrylate. *CardioVascular and Interventional Radiology*, 45(6), 814–823. <https://doi.org/10.1007/s00270-022-03069-3>
2. Chevallier, O., Comby, P., Guillen, K., Pellagninelli, J., Mouillot, T., Falvo, N., Bardou, M., Midulla, M., Aho-Giélé, S., & Loffroy, R. (2021). Efficacy, safety and outcomes of transcatheter arterial embolization with N-butyl cyanoacrylate glue for non-variceal gastrointestinal bleeding: A systematic review and meta-analysis. *Diagnostic and Interventional Imaging*, 10(27–8), 479–487. <https://doi.org/10.1016/j.diii.2021.03.004>
3. Chevallier, O., Fauque, P., Poncelet, C., Guillen, K., Comby, P., Astruc, K., Barberet, J., Falvo, N., Simon, E., & Loffroy, R. (2021). Relevant Biological Effects of Varicocele Embolization with N-Butyl Cyanoacrylate Glue on Semen Parameters in Infertile Men. *Biomedicines*, 9(10), 1423. <https://doi.org/10.3390/biomedicines9101423>
4. Favard, N. et al. Comparison of three different embolic materials for varicocele embolization: retrospective study of tolerance, radiation and recurrence rate. *Quant Imaging Med Surg* 5, 806–14 (2015).
5. Comby, P. O. et al. Endovascular Use of Cyanoacrylate-Lipiodol Mixture for Peripheral Embolization: Properties, Techniques, Pitfalls, and Applications. *J Clin Med* 10, (2021).
6. Makris, G. et al. Safety and effectiveness of the different types of embolic materials for the treatment of testicular varicoceles: a systematic review. *JBR* (2018).
7. DanielY.Sze et al. Persistent and Recurrent Postsurgical Varicoceles: Venographic Anatomy and Treatment with N-butyl Cyanoacrylate Embolization. *J Vasc Interv Radiol* 2008; 19:539–545.
8. Study results may differ, and may not cover all VE procedures – these papers are related to PAE, Varicocele and GI Bleeds.
9. Study results may differ, and may not cover all VE procedures – these papers are related to Varicocele.

For the SmPC,
scan the QRcode



Balt portfolio for peripheral embolization



SQUIDPeri
liquid embolic



Prestige Plus coils



Spirales coils



Magic Glue
cyanoacrylate glue

The Prestige Coil System is intended for use in the peripheral vasculature to endovascularly obstruct or occlude blood flow in vascular abnormalities of the peripheral vessels, Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT USA LLC, 29 Parker, Irvine, CA 92618. Carefully read the instructions for use before use. First CE marking: 2021. SPIRALES SPI/FIB are embolization coils intended for intravascular use. They permit the treatment of arterio-vascular malformations, fistula arteriovenous malformations, varicoceles, aneurysms. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC). Manufactured by BALT EXTRUSION SAS, 110 rue de la Croix Vigneron, 95160 Montmorency, France. Carefully read the instructions for use before use. First CE marking: 1998 (SP), 2001 (FIB). Magic Glue is a liquid embolic agent indicated in the embolization of arteriovenous malformation. Manufactured by Paters Surgical SAS, 42 rue Benoit Frachon, 93013 Bobigny, France. Class III CE 0459 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC. First CE marking: 2018. SQUIDPERI is intended to the embolisation of lesions in the peripheral vasculature, including arteriovenous malformations and hypervascular tumors. Class III CE0297 in compliance with Medical Device Directive (MDD 93/42/EEC amended by 2007/47/EC) Manufactured by EMOFLUSSIGKEITEN A.G. Carefully read the instructions for use before use. First CE marking: 2013. The content of this document, in particular data, information, trademarks and logos is BALT S.A.S and affiliates' sole property. Consequently, all representation and/or reproduction, whether in part or in full, is forbidden and would be considered a violation of BALT S.A.S and affiliates' copyrights and other intellectual proprietary rights ©2024 BALT S.A.S and affiliates all rights reserved. This document with associated pictures is non-contractual and is solely dedicated to healthcare professionals and BALT S.A.S and affiliates' distributors. The products commercialized by BALT S.A.S and affiliates shall exclusively be used in accordance with the package inserts included in the boxes. (03/2024)



GLUBRAN[®]2

Liquid Embolic Agent for Interventional Radiology



BUILDING THE PERFECT EMBOLIZATION



Liquid Embolic Agent



Rapid Hemostasis



Strong Adhesive



Sclerosing Effect

Clinical Applications:

- Bleeding
- Arterial Venous Malformation (AVM)
- Prostate Artery Embolization (PAE)
- Varicocele
- Pelvic Venous Disorder
- Portal vein embolization
- Type II Endoleak
- Interventional Neuroradiology (INR)



H.B. Fuller

Medical Adhesive
Technologies



SOLUTION
COMES FROM
EVOLUTION

FOR MORE INFORMATION →



Thursday, March 12th

13:45 INTRODUCTION - CONGRESS OPENING
Romaric Loffroy

14:00 **LIQUID EMBOLIC AGENTS: OVERVIEW & PERSPECTIVES**

-
16:00 Chair: Luc Defreyne
Moderators: Romaric Loffroy, Federico Collettini & Pierleone Lucatelli

LIVE CASE #1



cTACE

from CHU Dijon Bourgogne

Operators: Alban Denys & Olivier Chevallier

Guerbet |

Are all cyanoacrylates the same? Jose Urbano

Deep dive on copolymers, Bora Peynircioglu

cTACE vs Y90 for HCC: game is over? Federico Collettini

A closer look at emerging studies & liquid embolics perspectives, Pierleone Lucatelli

16:00 Coffee break & Exhibition visit

16:30 **LET'S FOCUS ON PELVIC CONGESTION SYNDROME**

- Chair: Jose Urbano
18:15 Moderators: Karim Abd El Tawab, Vincent Vidal & Paul Lohle

LIVE CASE #2



PCS

from CHU Dijon Bourgogne
Operators: Geert Maleux & Gilles Goyault



Embolizing the pelvic reservoir is mandatory, Romaric Loffroy

Embolizing the pelvic reservoir is optional, José Andres Guirola

Science behind MagicGlue?

MY WORST CASE / MY BEST CASE WITH LIQUIDS: Tiago Bilhim

MY WORST CASE / MY BEST CASE WITH LIQUIDS: Paul Lohle

18:15 End of the day

09:00 **SPOTLIGHT ON GENICULAR ARTERY EMBOLIZATION**

-
10:30 Chair: Attila Kovacs
Moderators: Clare Bent, Federico Collettini & Vinko Vidjak

LIVE CASE #3



GAE

from CHU Dijon Bourgogne
Operators: Florian Fleckenstein & Marc Sapoval

Guerbet |

MAY THE DEBATE START: READY SET GO!

PROS & CONS: Permanent versus temporary embolic agents

- I use Lipiojoint, Gerard Goh
- I use Nexspheres, Federico Collettini
- I use Microspheres, Attila Kovacs
- I use Imipenem, Masanori Inoue

Science behind Lipiojoint?

M&M SESSION ON LIQUIDS

Complication can happen, Bora Peynircioglu
Technical/clinical failure can happen, Pierre-Olivier Comby

Permanent embolics in genicular artery embolization : precision, safety, and efficacy, Attila Kovács



10:30 Coffee break & Exhibition visit

11:00 **ALL EYES ON VENOUS MALFORMATION**

-
12:45 Chair: Gilles Soulez
Moderators: Bora Peynircioglu, Moritz Wildgruber & Yahya Al-Asiri

LIVE CASE #4



BLEOMYCIN ELECTROSCLEROTHERAPY (BEST)

from CHU Dijon Bourgogne

Operators: Ian McCafferty & Romaric Loffroy



When & how do I go for BEST? Moritz Wildgruber

When & how do I go for cryoablation? Clément Marcelin

Science behind BEST? 

MY WORST CASE / MY BEST CASE WITH LIQUIDS: Yahya Al-Asiri

MY WORST CASE / MY BEST CASE WITH LIQUIDS: Anna Maria Ierardi

Friday, March 13th

14:00 **GO WITH THE FLOW: LIQUID EMBOLIZATION OF THE PROSTATE**

-
15:45 Chair: Gerard Goh
Moderators: Marc Sapoval, Romaric Loffroy & Adam Farkas

LIVE CASE #5



PAE

from CHU Dijon Bourgogne
Operators: Tiago Bilhim & Clare Bent



Simplifying advanced 3D image guidance, Hicham Kobeiter **PHILIPS**

MAY THE DEBATE START: READY SET GO!

PROS & CONS: Beads or liquids for PAE?

- Beads Pros, Inigo Insausti
- Liquids Pros, Federico Collettoni

Science behind Glubran2? 

M&M SESSION ON LIQUIDS

When it goes wrong, Ian McCafferty
When it goes right, Adam Farkas

15:45 Coffee break & Exhibition visit

16:15 **TARGET: EMBORRHOID**

-
17:45 Chair: Marc Sapoval
Moderators: Tiago Bilhim, Romaric Loffroy & Karim Abd El Tawab

LIVE CASE #6



HAE

from CHU Dijon Bourgogne
Operators: Jose Urbano & Hicham Kobeiter

HAE: what is the evidence? Vincent Vidal

Don't forget sclerosants! Karim Abd El Tawab

Science behind Onyx? **Medtronic**

MY WORST CASE / MY BEST CASE WITH LIQUIDS: Inigo Insausti

MY WORST CASE / MY BEST CASE WITH LIQUIDS: Florian Fleckenstein

17:45 End of the day

9:00 **VARICOCELE: ALL ABOUT A CASE**

-
10:00 Chair: Geert Maleux
Moderators: Inigo Insausti, Romaric Loffroy & Luc Defreyne

LIVE CASE #7



Varicocele

from CHU Dijon Bourgogne

Operators: Anna Maria Ierardi & Francesco Giurazza



TALK 1: Evidence on varicocele embolization, José Andres Guirola

TALK 2: Venous leak & erectile dysfunction: my algorithm? Hanno Hoppe

Science between Squid?

MY WORST CASE / MY BEST CASE WITH LIQUIDS: Olivier Chevallier

MY WORST CASE / MY BEST CASE WITH LIQUIDS: Mohamed Fouad

Case closing & take home messages

10:00 **120S PITCH & TALK: BEST PARTICIPANT CASES CONTEST**

-
11:00 Chair: Hicham Kobeiter
Moderators: Gilles Soulez, Ian McCafferty & Attila Kovacs

PARTICIPANTS CASES CONTEST

8 best cases submissions of young IRs - to be presented onstage

- When Surgery Fails : NBCA Embolization of a persistent complex duodenal fistula, Martijn Verdam
- Modified emborrhoid technique with EVOH in a case with short occlusion of the distal IMA, William Yougbaré
- Direct percutaneous transabdominal embolization of a type 2 endoleak with liquid embolics, Chiara Longo
- Staged treatment of bilateral venous malformations of the pyriform sinuses: case report, Zhamesh Sanzhar
- Venous leak embolization with EVOH by retrograde approach in a patient with erectile dysfunction, Mehdi Lehlali
- Complex embolization of a dual para cardiac paraganglioma: bring the glue! Giuseppe Ferrillo
- Occlusion balloon microcatheter-assisted embolization of a pulmonary sequestration with NBCA, Agata Amaduri
- Transarterial embolization of a type 2 endoleak involving an accessory renal artery and the inferior mesenteric artery with EVOH, Mouadh Ben Nasr

Vote & award

11:00 Coffee break & Exhibition visit

Saturday, March 14th

11:30 **WHAT WE LEFT OUT: BLEEDINGS AND THE REST ?**

-
12:45 Chair: Romaric Loffroy
Moderators: Olivier Chevallier, Hicham Kobeiter & Masanori Inoue

Evidence on PVE, Alban Denys

Comparative studies in BAE, Anna Maria Ierardi

What is the best embolic agent for upper & lower GIB? Jose Urbano

Type 2 endoleak: What makes sense? Hicham Kobeiter

Lymphatic embo: when and how? Geert Maleux

Lipiodol & DMSO balloon/catheter compatibility: what is true? Francesco Giurazza

12:45 **CLOSING OF ELEC 3RD EDITION:** Romaric Loffroy

Industrial Sponsors



Our Institutional partners

Scientific Societies



SELDINGERSÄLLSKAPET FÖR VASKULÄR
OCH INTERVENTIONELL RADIOLOGI



servei
SOCIEDAD ESPAÑOLA
DE RADIOLOGÍA
VASCULAR
E INTERVENCIONISTA



SOCIÉTÉ FRANÇAISE
DE RADIOLOGIE
& D'IMAGERIE MÉDICALE



Event

Pan Arab Interventional Radiology Society (PAIRS)
Annual Congress 2026

Dubai, UAE - April 7th to 10th 2026

Medias

JT Radiologie

THEMA
RADIOLOGIE

SAVE THE DATE
2028

4TH
EDITION

ELEC

EUROPEAN LIQUID EMBOLIC COURSE

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

MARCH
23th to 25th
2028
DIJON - FRANCE

COURSE DIRECTOR:

Prof. Romaric LOFFROY

LOCAL ORGANIZATION:

Prof. Marco MIDULLA

Dr Olivier CHEVALLIER

Dr Nicolas FALVO

- Educational live cases transmission with european operators
- Pre-course Vet Lab workshop
- Hands-on corner
- Current researches and perspectives



*François-Mitterrand
University Hospital,
Dijon, France*



STAY CONNECTED



In collaboration with



WWW.ELEC-IR.COM