



Radiology and Biomedical Imaging Lecture Series Interventional Radiology Grand Rounds

Presented by Yale School of Medicine, Department of Radiology and Biomedical Imaging

“Embolization of uterine fibroids & pulmonary arterio-venous malformations: How to refine your technique - From bench to bedside”



Jean-Pierre J. Pelage, MD, PhD

Professor of Radiology
Caen University and Medical Center
Normandy University, 14033 Caen, France

Wednesday January 27, 2021

8:00 – 9:00am

ZOOM webinar: <https://zoom.us/j/96383837579>

Passcode: 549485

Course Director: T. Rob Goodman, MBBCh, MBA, BMSc

Host: David C. Madoff, MD

There is no corporate support for this activity

This course will fulfill the licensure requirement set forth by the State of Connecticut

The Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

TARGET AUDIENCE

Physicians, Fellows, Residents and Medical Students

NEEDS ASSESSMENT

Uterine fibroid embolization (UFE) has become a reference technique in the management of uterine fibroids. When initially reported, UFE was associated with encouraging clinical efficacy but was also associated with rare but major complications including uterine necrosis leading to hysterectomy and ovarian failure. UFE was also considered contra-indicated in pregnancy-seeking women. Thanks to a preclinical evaluation of embolization agents using a specifically-designed animal model, embolization technique (type of particles and size of particles) was refined and daily clinical practice improved. The different steps from preclinical evaluation to clinical practice will be presented with relevant published data. Pulmonary arterio-venous malformations (PAVMs) are rare conditions associated with an autosomal dominant genetic disorder (hereditary hemorrhagic telangiectasia). Embolization using coils is the standard of care for macroscopic malformations. Often reported in young patients, embolization should be associated with a low recurrence rate. Recanalization of PAVMs embolized with fibered coils has been reported in up to 20% of patients. A preclinical comparison of different types and sizes of coils demonstrated differences in terms of initial mechanism of occlusion. Long-term recanalization rates were also different leading us to change our embolization

technique in daily practice. The clinically-relevant data will be presented

LEARNING OBJECTIVES

At the conclusion of this activity, participants will be able to:

1. To understand how the evaluation of your clinical practice should influence your research programs
2. To be familiar with the different steps of an animal-based research program.
3. To understand how preclinical results can be applied to clinical practice

DESIGNATION STATEMENT

The Yale School of Medicine designates this live activity for 1 AMA PRA Category 1 Credit(s)[™]. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

FACULTY DISCLOSURES

SPEAKER Jean-Pierre J. Pelage, MD, PhD –
NONE RELEVANT

COURSE DIRECTOR:

T. Rob Goodman, MBBCh, MBA, BMSc - NONE

It is the policy of Yale School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational programs. All faculty participating as speakers in these programs are required to disclose any relevant financial relationship(s) they (or spouse or partner) have with a commercial interest that benefits the individual in any financial amount that has occurred within the past 12 months; and the opportunity to affect the content of CME about the products or services of the commercial interests. The Center for Continuing Medical Education will ensure that any conflicts of interest are resolved before the educational activity occurs.