

Faculty of Medicine



INTR2291 Functional cardiac investigations

[15h] 2 credits

This course is taught in the 2nd semester

Teacher(s): Claude Hanet (coord.), Agnès Pasquet, Erwin Schroeder
Language: French
Level: Second cycle

Aims

To familiarize students with the methodology and the indications of invasive and non invasive techniques evaluating the cardiac status

Main themes

1. Methods and indications of exercise testing (ECG, oxymetry, hemodynamics).
2. Methods and indications of echochardiography and other cardiac imaging modalities with or without stress testing.
3. Methods and indications of 24:00-hour ECG monitoring and of electrophysiologic investigations
4. Methods and indications of cardiac catheterization and of invasive interventions

Content and teaching methods

Basic principles of non-invasive techniques. Protocols of investigations and application to the exploration of various cardiac diseases.

Basic principles of invasive methods. Application to the exploration of various cardiac diseases ; indications, contra-indications and prevention of complications.

Overview of the invasive methods of percutaneous myocardial revascularization and of percutaneous correction of cardiac diseases of the adult with emphasis on the functional evaluation of indication and results.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Written examination

Programmes in which this activity is taught

MESP3DS Diplôme d'études spécialisées en médecine du sport
PNEU3DS

Other credits in programs

MED21 Première année du programme conduisant au grade de docteur (2 credits)
 en médecine

MESP31DS Première année du diplôme d'études spécialisées en médecine (2 credits)
 du sport

Mandatory