

# University Hospital Waterford

## Waterford Echo Course 2: Intermediate Echocardiography

Course Directors:

Dr Patrick Owens, Consultant Interventional Cardiologist, University Hospital Waterford

Dr Patrick O'Callaghan, Consultant Cardiologist, University Hospital Waterford

08:00 Registration/Coffee

08:25 – 08:30 Welcome address

**08:30 – 09:15 Lecture: Recap standard views, normal variants and abnormal pathologies**

Ms Joy Hogan, Chief Cardiac Physiologist,  
University Hospital Waterford

**09:15 – 10:00 Lecture: Aortic Regurgitation and Aortic Stenosis**

Mr Brendan Rogers, Senior Cardiac Physiologist,  
The Heart Clinic, Waterford

Topics covered include:

- Aortic Incompetence
- How valve lesions are assessed by 2D/Doppler
- Visual assessment of aortic valve
- Aortic Stenosis

10:00 – 10:15 Refreshment break

**10:15 – 11:00 Practical session A: Aortic Valve assessment**

**11:00 – 11:45 Lecture: Cardiomyopathies**

Dr Patrick Owens, Consultant  
Cardiologist, University Hospital Waterford

Topics covered include:

- DCM, HCM, HOCM
- Restrictive Cardiomyopathy

**11:45 – 12:30 Practical Session B: LV and RV assessment**

12:30 – 13:30 Lunch

**13:30 – 14:15 Lecture: Pathology of Mitral Stenosis and Mitral Regurgitation**

Leigh Blackmore, Senior Cardiac Physiologist,  
University Hospital Waterford

Topics covered to include:

- Mitral Stenosis – 2D and Doppler assessment
- Mitral Regurgitation – 2D and Doppler assessment.
- Grading valve lesions
- Subjective assessment

**14:15 – 15:00 Practical Session C: Mitral Valve assessment**

**15:00 – 15:45 Lecture: Pericardial Fluid**

**Ms Jennifer Gilmore, Senior Cardiac  
Physiologist, University Hospital Waterford**  
Topics covered to include:

- Pericardial versus pleural fluid
- Tamponade
- Pericardiocentesis

**15:45 – 16:30 Lecture: Endocarditis**

**Dr Pat O'Callaghan, Consultant Cardiologist,  
University Hospital Waterford**

- TTE findings
- When is TOE indicated
- Vegetation features

**16:30 – 17:00 Practical Session D: Putting it all together**

17:00 Collection of attendance certificates and close