



# DOW UNIVERSITY OF HEALTH SCIENCES.

## DOW INSTITUTE OF RADIOLOGY.

### ONE YEAR DIPLOMA IN ECHOCARDIOGRAPHY

#### **Introduction:**

Echocardiography is currently the most widely used noninvasive imaging technique to evaluate the patient with known or suspected heart disease, and allows assessment of cardiac valves and structures. It involves a wide variety of diagnostic ultrasound techniques: M-mode, 2-dimensional, color Doppler, continuous wave, pulse wave, harmonics, strain and strain rate imaging. In a given patient, any or all of these modalities may be used to assess the nature and severity of a suspected cardiac disorder. Contrast, stress, transesophageal, 3 dimensional, intracardiac, intravascular, and epicardial echo are specialized areas within Echo that require special emphasis. The program offers an exceptional educational experience by providing the high quality didactic and clinical experience needed to create a well-rounded, fully competent cardiac sonographer in an environment based on teamwork and mutual respect.

#### **Program Length:**

1 Year

#### **Eligibility:**

Minimum requirement **MBBS with house job in Medicine/Surgery and current PMDC certification.**

**Timing of Training:** Monday till Friday: 9 AM till 3 PM

**Methodology:** Lectures, power point presentations and case study discussions, skills training and demonstration and audio/visual aid

**Evaluation:** Students will receive a certificate for this course. Methods of evaluation, although determined by the individual lecturer/instructor, should include some combination of the following:

1. Comprehensive Review of Echocardiography and related topics -----	40%
2. Echocardiography Clinical Practicum -----	60%

Internal Evaluation-----	30%
Midterm-----	20%
Final/Annual-----	50%
Total-----	100%

**COURSE FEE:** PKR: 160,000/- INCLUDING ENROLLMENT AND ADMISSION FEE.

**No of candidates:** maximum 6 to 8.

**Dr Amjad Sattar**

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