### SNS COLLEGE OF ALLIED HEALTH SCIENCE, COIMBATORE -35

(Affiliated to the Tamil Nadu Dr M.G.R Medical University, Chennai)

### **B.Sc. CARDIAC TECHNOLOGY-II-YEAR**



## **Subject-Echocardiography** Unit-1-Topic - Brainstorm & Logic Puzzles for TTE Doppler and Cardiac **Dimensions**

### **Brainstorm Puzzle** — **Dimension Dilemma**

You measured LV internal diameters:

- LVIDd = 50 mm
- LVIDs = 32 mm

**Puzzle:** Using FS =  $((LVIDd-LVIDs)/LVIDd) \times 100$ ,

calculate FS and decide if LV function is normal (normal FS = 28-44%).

# Calculating Ejection Fraction (FS)

Using FS = ((LVIDd-LVIDs)/LVIDd)×100, calculate FS and decide if LV function is normal (normal FS = 28 - 44%).



Calculate FS using the formula. If FS is between 28% and 44%, LV function is normal.



1. Explain About Normal LV function?