

SUBJECT CODE & NAME -1533- ECHOCARDIOGRAPHY

UNIT 1 – TRANSTHORACIC ECHOCARDIOGRAPHY (TTE) DOPPLER: PW, CW, COLOR & CARDIAC DIMENSIONS.

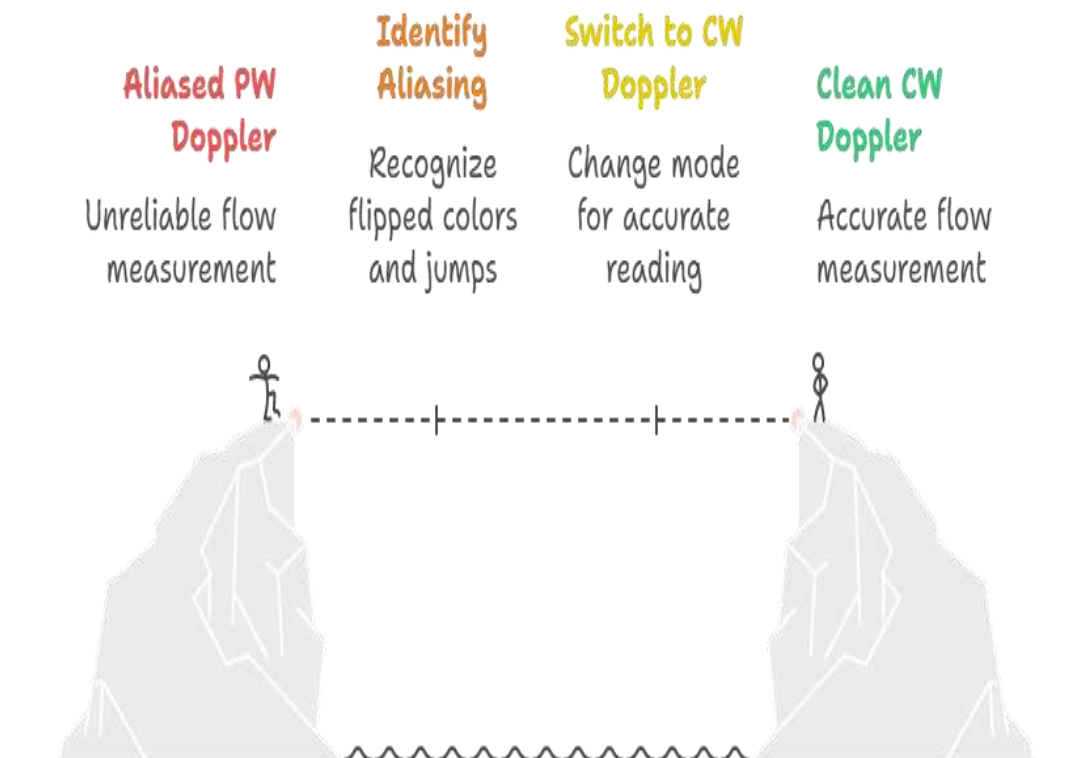
Brainstorm & Logic Puzzles for TTE Doppler and Cardiac Dimensions

1 Riddle — Aliasing Mystery

I measure flow, sometimes low, sometimes high,
On PW Doppler,
I twist and I fly.
Colors flip, trace jumps, a trick on the screen,
Switch me to CW, and I'll stay clean.

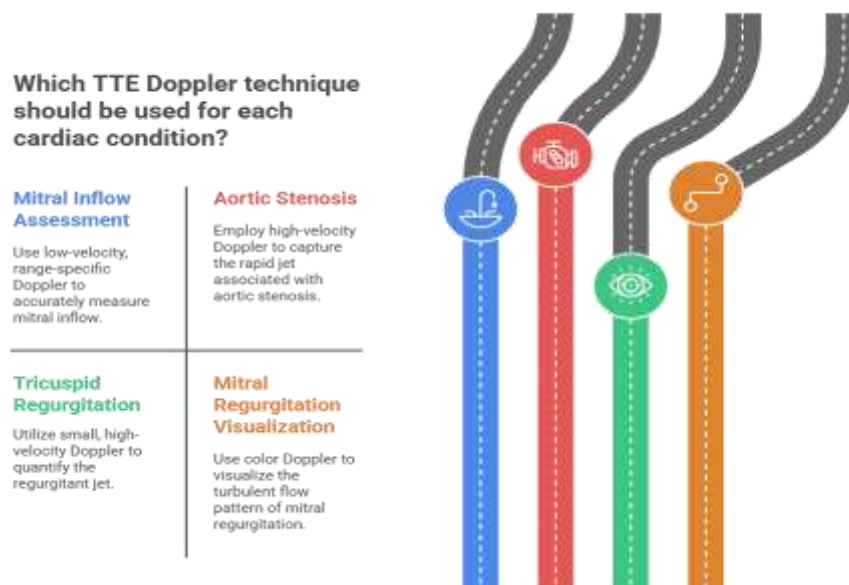
Question: What am I?

From Aliased to Clean Doppler Signal



Logic Puzzle — Probe Choice

You have four patients:



1. Mitral inflow assessment (low velocity, need range specificity)
2. Aortic stenosis (high velocity jet)
3. Tricuspid regurgitation quantification (small high-velocity jet)
4. Visualizing turbulent mitral regurgitation (color pattern)

Puzzle: Match each patient with the correct Doppler mode: PW, CW, or Color. Only one mode per patient

Which Doppler mode should be assigned to each patient?

