

Basic echocardiography

Instructor: Prof Johan Schoeman BVSc, MMedVet, PhD, DSAM, Dipl. ECVIM

Cost R 4500

Course description for CPD purposes

After this course the practitioner will be able to assess basic heart function and Doppler flows with the aid of an ultrasound machine. The following views and parameters will be explained and demonstrated by the instructor during an hour-long session on a life dog. These will be followed by a two-hour opportunity to practice your newly acquired echocardiographic skills on live dogs.

1. Right parasternal long axis (RPLAX) view and relative size and function of the 4 cardiac chambers (including the tilted views)
2. RPLAX 5 chamber view (which includes the Aorta)
3. Right parasternal short axis (RPSAX) view and M-Mode study
4. M-Mode assessment of Mitral valve E and A waves
5. Teicholtz calculations of Left ventricular dimensions and ejection fraction (EF) & fractional shortening (FS)
6. LA:Ao ratio calculation
7. Right ventricular outflow tract and pulmonic valve assessment

The various Doppler modalities and the Left Parasternal Views (hanging heart views) will also be demonstrated, after these basic views from the right side have been mastered.