

Vevo Cardiovascular Imaging Course

January 29-30, 2020

Specific areas of focus include:

- How to do an echocardiogram, including imaging the heart in long axis, short axis and apical views.
- How to obtain images of the aortic valve, pulmonary valve, mitral and tricuspid valves
- How to obtain and measure Pulsed-Wave Doppler and M-Mode spectrums
- Left ventricular analysis and diastolic function measurements
- Imaging the left ventricle in 4D (if requested)
- Image guided injection into the myocardium (if requested)

DAY 1

WEDNESDAY, JAN 29TH 2020

08:30am	Departure from hotel (optional)
9:00am – 10:30am	Arrival at Fujifilm VisualSonics Welcome and Introduction to small animal echocardiography Small Animal Micro-Echocardiography Animal handling and preparation Overview of Small Animal Micro-Echocardiography – demonstration of views and measurements <ul style="list-style-type: none"> - Parasternal Long and Short Axis - Aortic Arch - Suprasternal view
10:30am – 12:30pm	Practice Cardiac Views and Measurements Participants will practice parasternal long axis and parasternal short axis views and measurements *Focus on accuracy and workflow
12:30pm – 1:30pm	Lunch
1:30pm – 2:30pm	Offline analysis options in cardiovascular research

	PowerPoint presentation and discussion
2:30pm –4:00pm	Small Animal Micro-Echocardiography Overview of Small Animal Micro-Echocardiography – demonstration of views and measurements - Apical Four Chamber Participants will add imaging for assessing diastolic function in addition to the previously learnt views.
4:00pm –5:00pm	Vevo LAB offline analysis software - Overview over data export and data handling - Review of acquired images

DAY 2

THURSDAY, JAN 30TH 2020

08:30am	Departure from hotel (optional)
8:45am	Arrival at Fujifilm VisualSonics
9:00am - 12:00pm	Practice Cardiac and Vascular Views and Measurements Participants will practice all views and measurements to small micro-echocardiography study *Focus on reproducibility and workflow *Imaging in 4D (if requested)
12:00pm – 1:00pm	Lunch
1:00pm – 5:00pm	Overview of cardiac injections set up and procedure *Image guided injection into the myocardium Vevo LAB offline analysis software - Measurement standardization - Advanced analysis using VevoStrain and VevoVasc

The agenda can be modified when requested.