

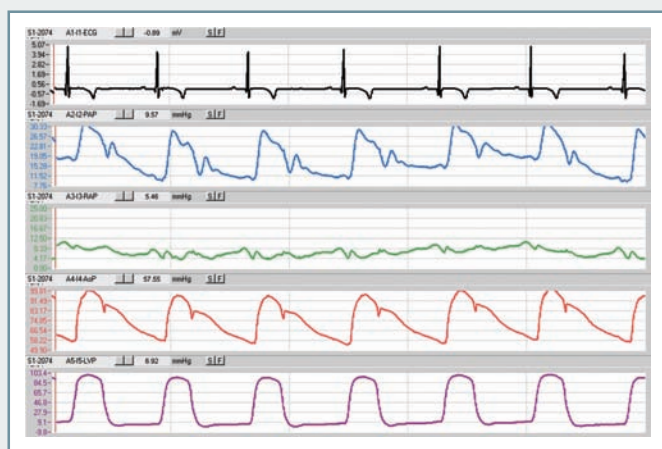
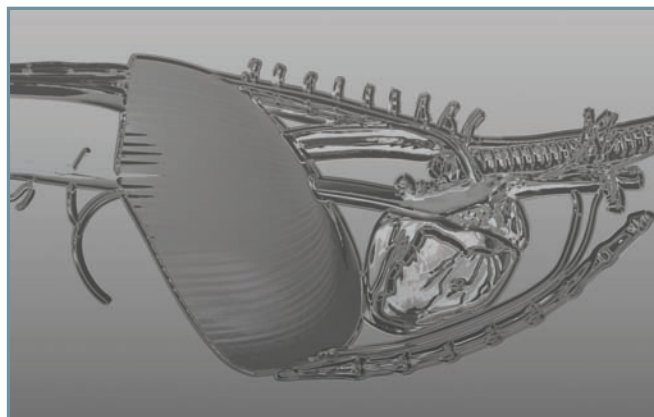
Acute Preparations

Rabbit and Canine Models

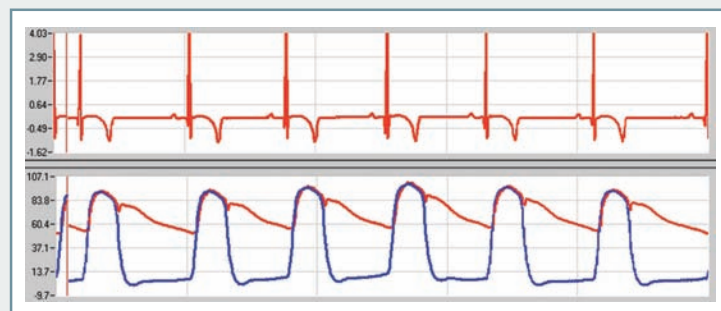
Acute Preparations - Measure all important cardiac parameters

- Evaluate all electrocardiogram parameters
- Evaluate inotropy, lusitropy and vascular properties
- Evaluate pulmonary mechanics and vascular responsiveness
- Study reperfusion arrhythmias
- Intra-coronary dosing possible
- Validated acquisition and analysis systems
- GLP compliant

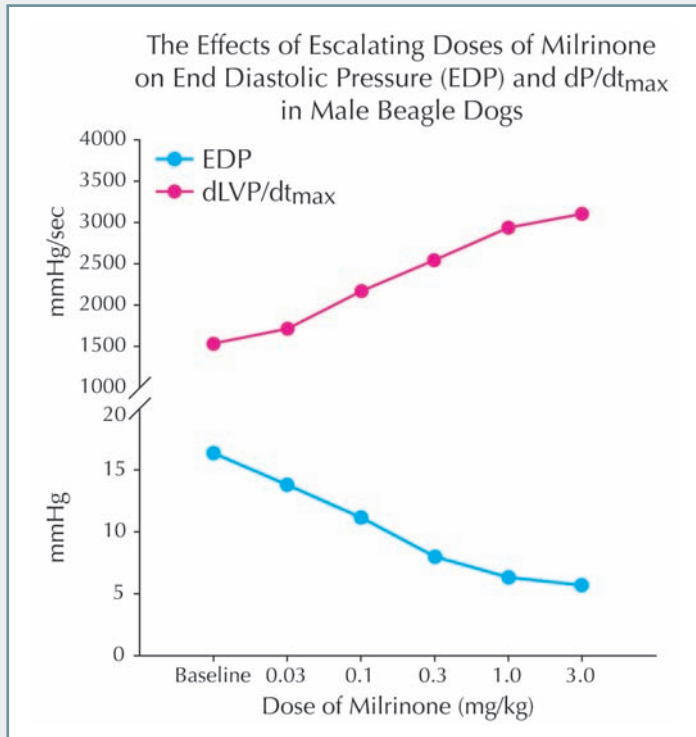
Dogs anesthetized with morphine-chloralose for intact autonomic control. Measure all important parameters of cardiovascular and pulmonary physiology.



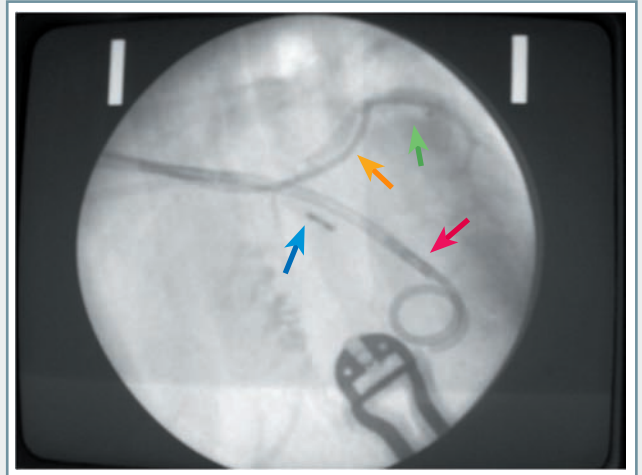
Examples of recordings (top to bottom): ECG, and pressures from pulmonary artery, right atrium, aorta, and left ventricle.



Examples of recordings (top to bottom): ECG, and superimposed pressures from aorta and left ventricle.



Dogs instrumented with catheter-tip micromanometers and ECG can be studied awake or asleep to explore electrophysiology and hemodynamics.



Intra-coronary artery dosing. A fluoroscopic image of the placement of an intra-coronary dosing catheter at the opening (orange arrow) of the left anterior descending coronary artery (LAD). Green arrow displays contrast medium injected into LAD. Blue arrow is the tip of the right atrial pressure catheter. Red arrow is a dual port Millar catheter in the aorta and left ventricle.

