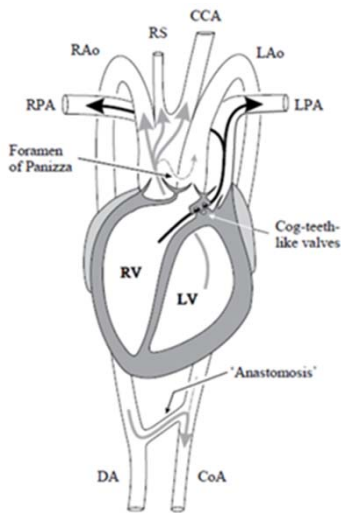


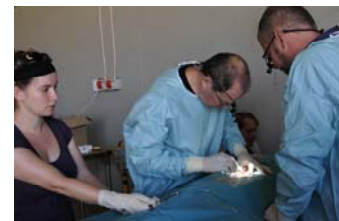
# The complex crocodilian cardiovascular system, adaptive evolution?

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Crocodilians have the most complex cardiac anatomy of any extant vertebrate, allowing for the recirculation of oxygen-poor blood from the right ventricle into the left aorta. In this talk I will explain the functional anatomy of this enigmatic heart and explain the autonomic regulation of the cardiac shunt patterns. Taken outset in recent studies on freely behaving Nile crocodiles with implanted data loggers, I will discuss the various proposals for adaptive benefits of cardiac shunting in crocodiles.



Friday May 29th at 11.15  
Room 127 (zoofys kaffestue), building 1131