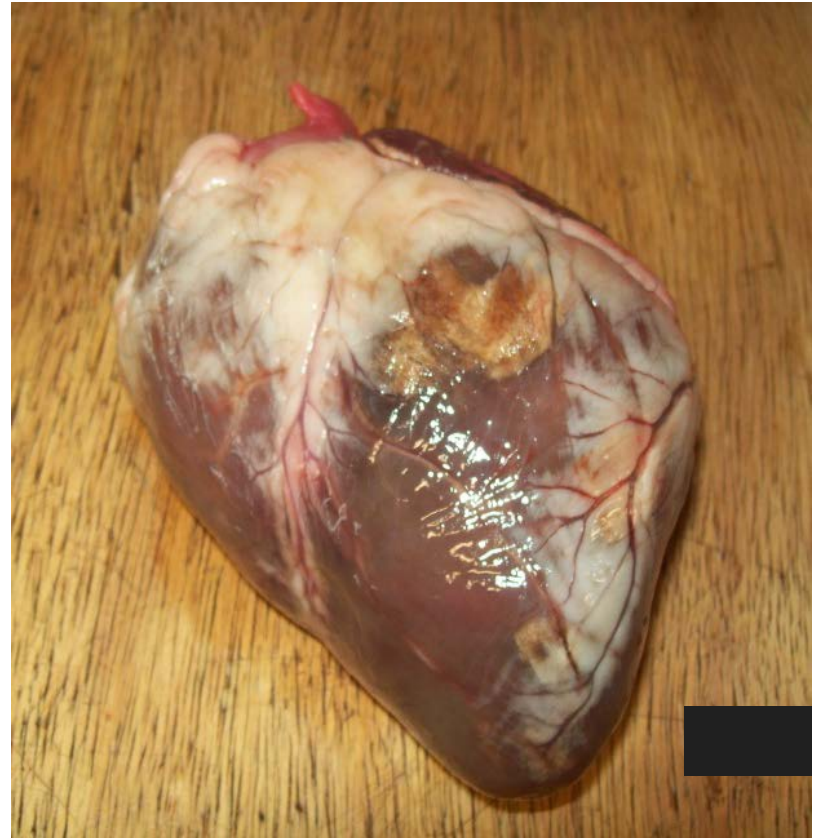


AS and A-level Biology practicals: Equipment set up

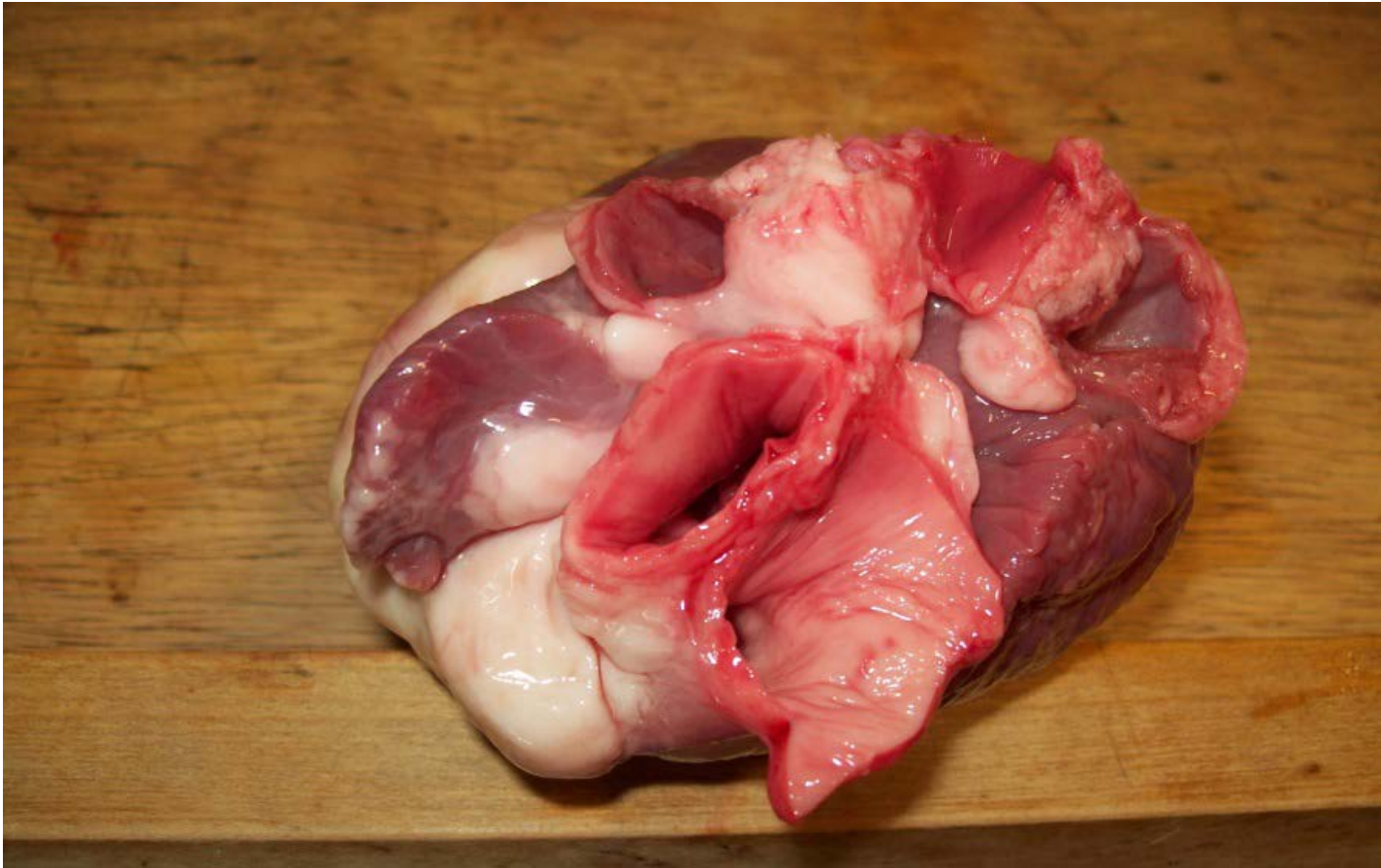
Practical 5: Dissection of animal or plant gas exchange or mass transport system or of organ within such a system

Lamb heart

- Lamb heart on dissection board.
- Dissecting instruments should be clean and sharp.
- Disinfectant and hand washing facilities should be available.



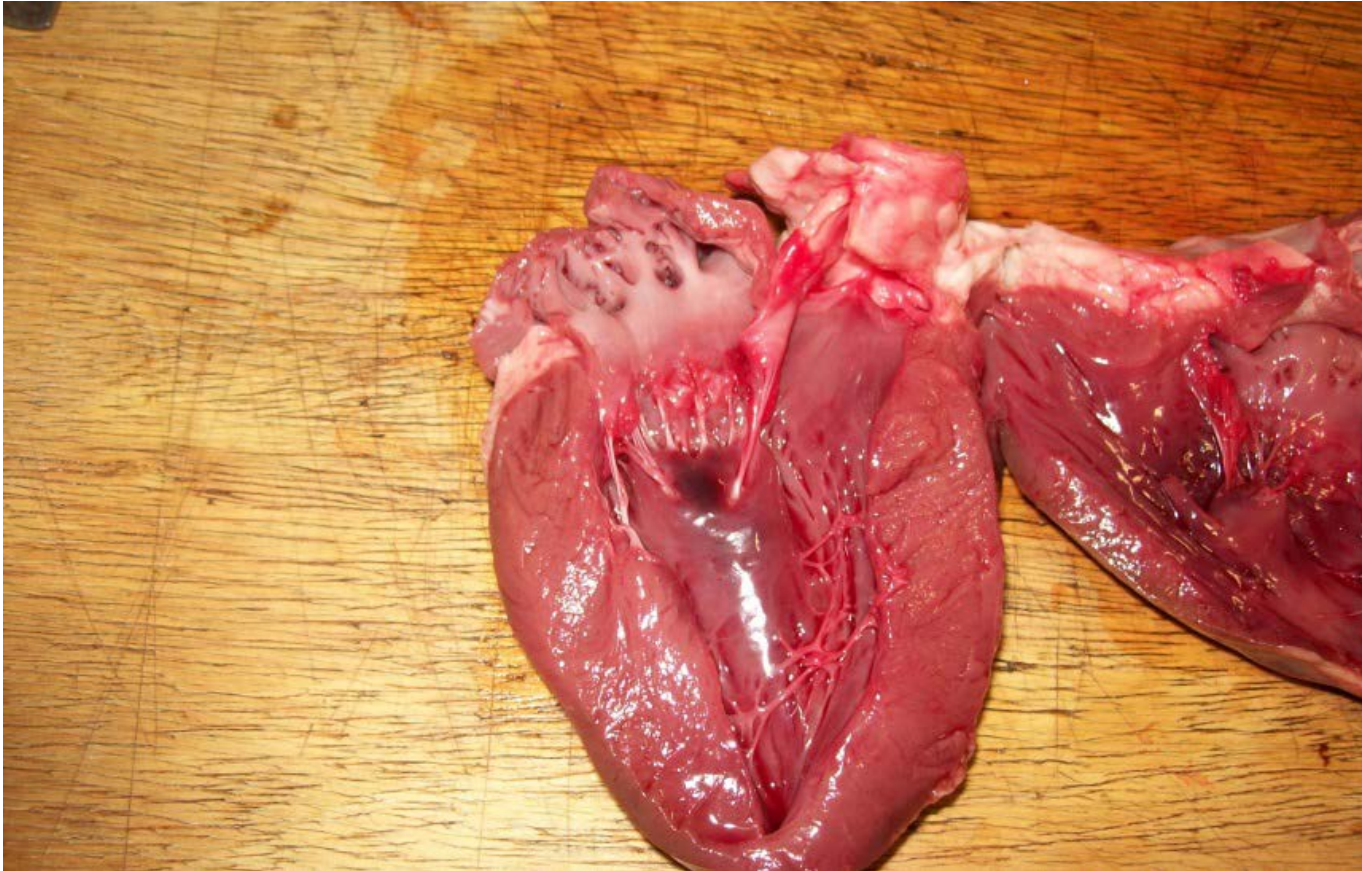
Main blood vessels



Main blood vessels

- Identify the aorta and coronary arteries.
- Some hearts are slit which makes it difficult to see the valves and to flow the water through.
- Specialist suppliers can supply whole hearts or they can be bought as part of a 'full pluck' which has the lungs and trachea attached so the heart remains intact.

Internal structure



Internal structure

- The heart is open like a butterfly structure so the ventricular walls and internal structures can be easily seen.
- To open the heart, start at the aorta and cut around the outside edge of the heart.
- Lay the heart flat on a dissection board and label the structures.
- Dispose of all items including gloves and paper towels in a special disposal bag.