

C20 HW 8

Fetal Circulation

1. What are the structures of the fetal circulation?
2. What is the oxygen status in the ductus venosus?
3. What blood mixes with the blood from the ductus venosus as it enters the right atrium?
4. Where will blood in the right atrium flow?
5. Where will blood in the right ventricle flow?
6. Why does the blood not flow into the lungs?
7. What two structures allow blood to “bypass” the lungs and be diverted into the systemic circuit?
8. What is the function of the umbilical arteries? Oxygen status?
9. What is the function of the umbilical vein? Oxygen status?
10. What happens to fetal structures after the baby takes its first breath and the placenta is removed?