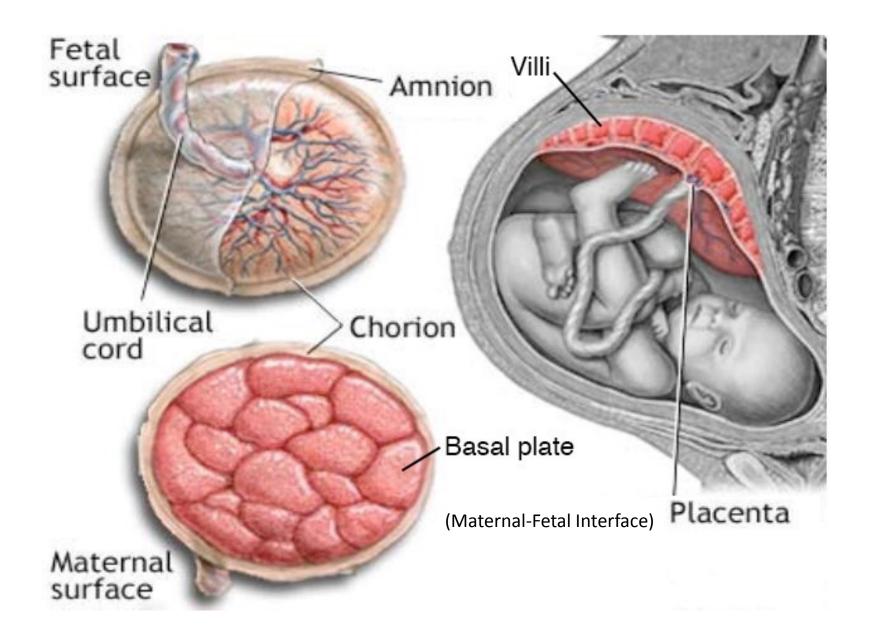
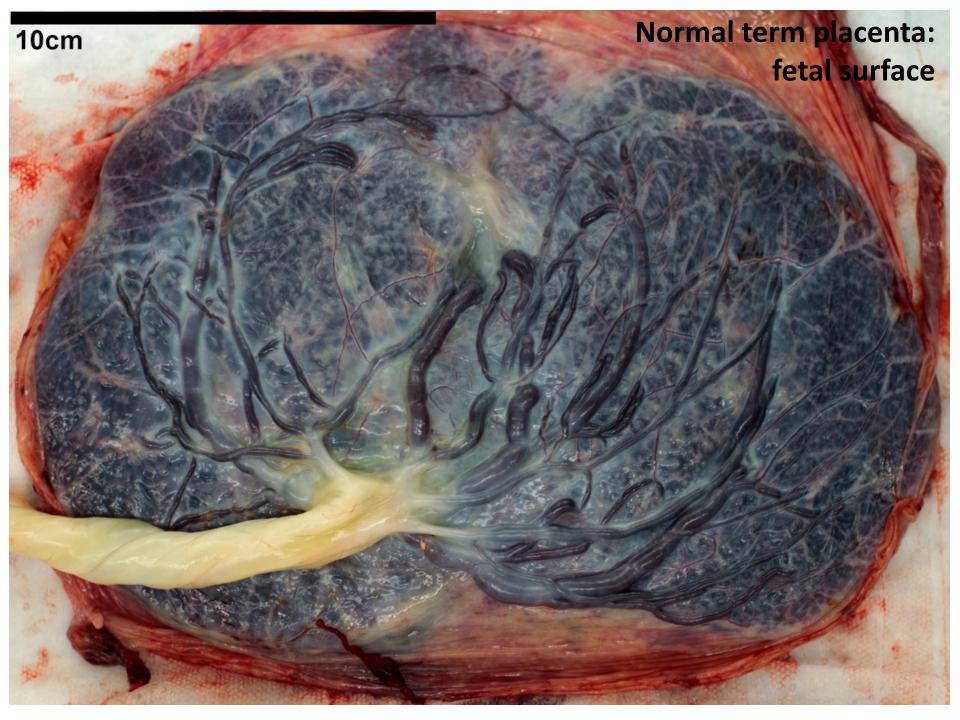
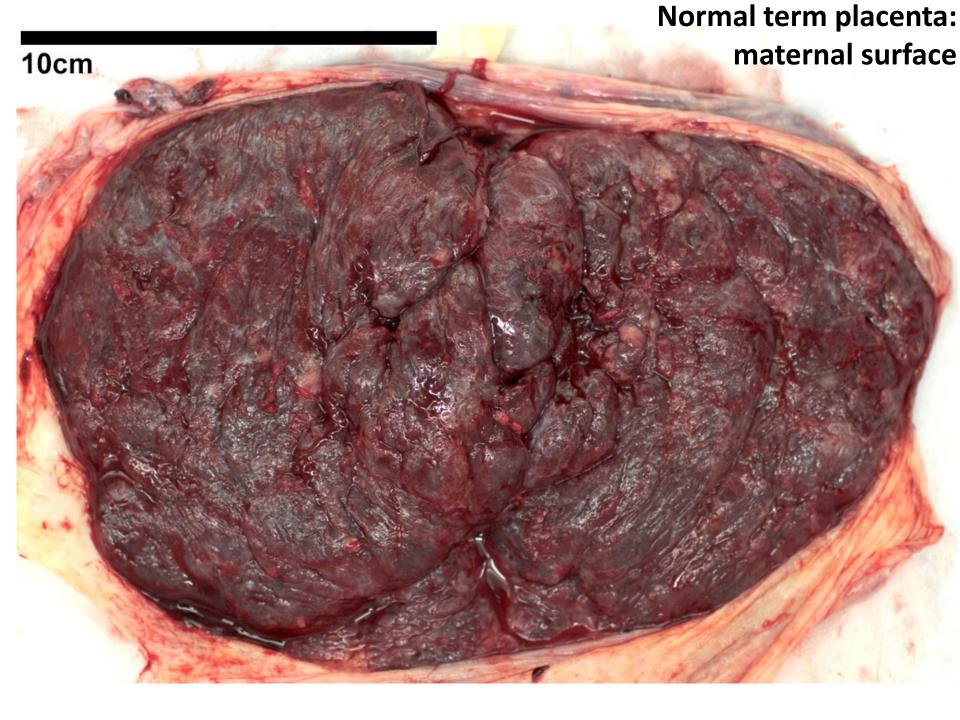
The Human Placenta Project: Anatomy and Tissue Structure

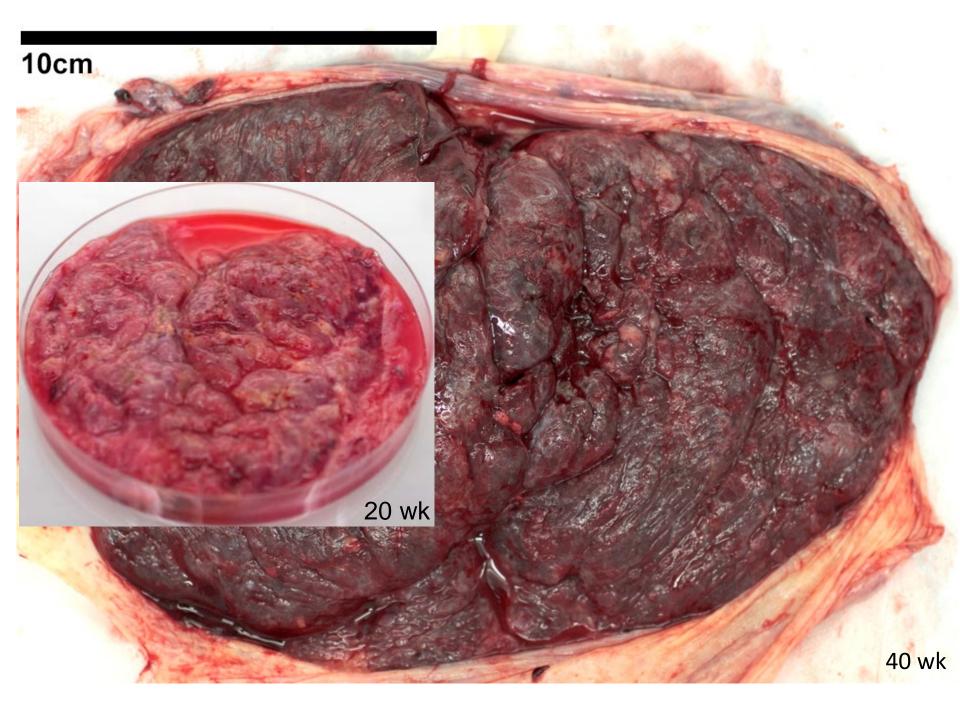
Susan Fisher





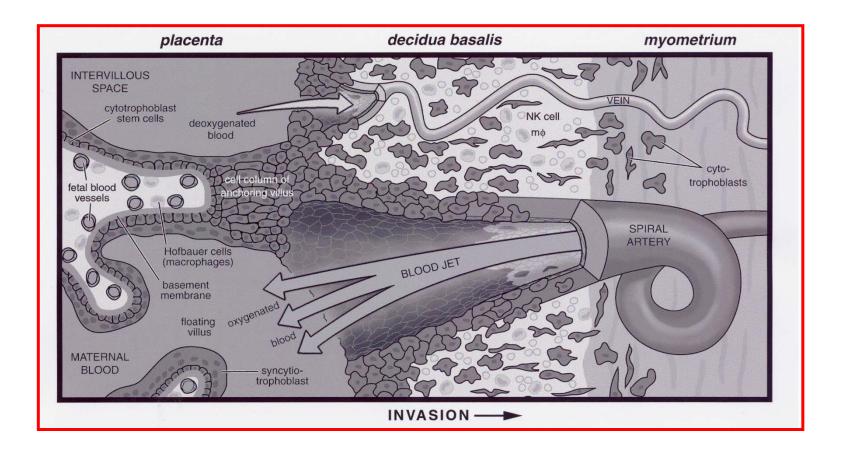


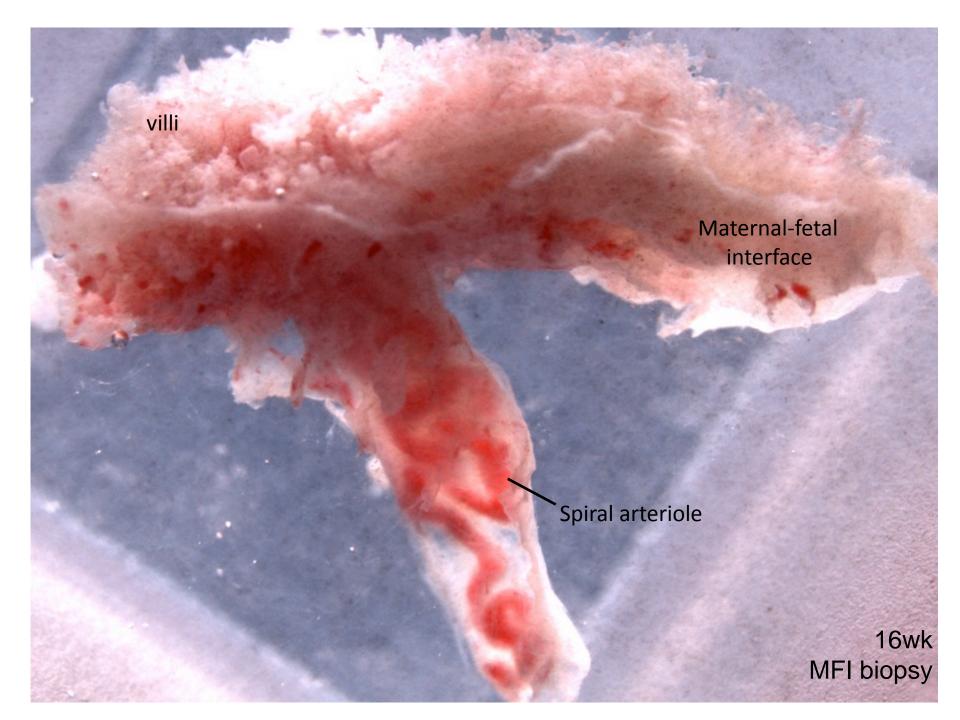




The placenta is composed of floating and anchoring chorionic villi

Chorionic villi: stromal cores containing fetal blood vessels covered by a layer of cytotrophoblasts and syncytiotrophoblasts (first and second trimester)

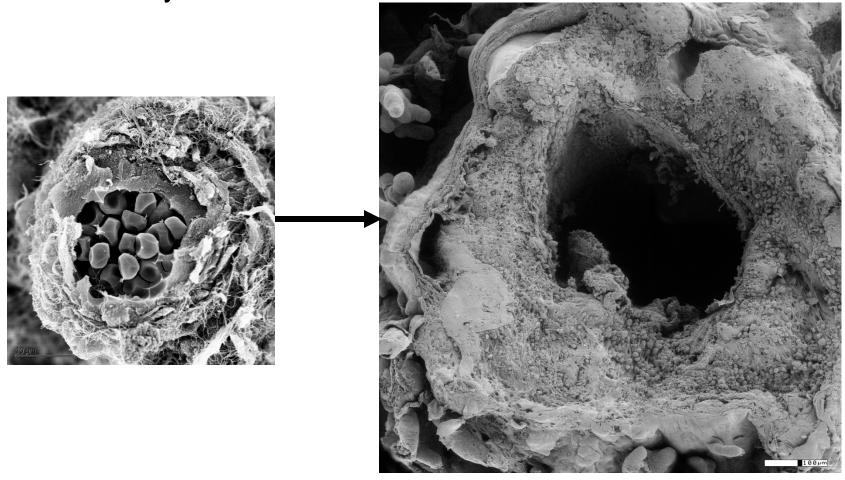




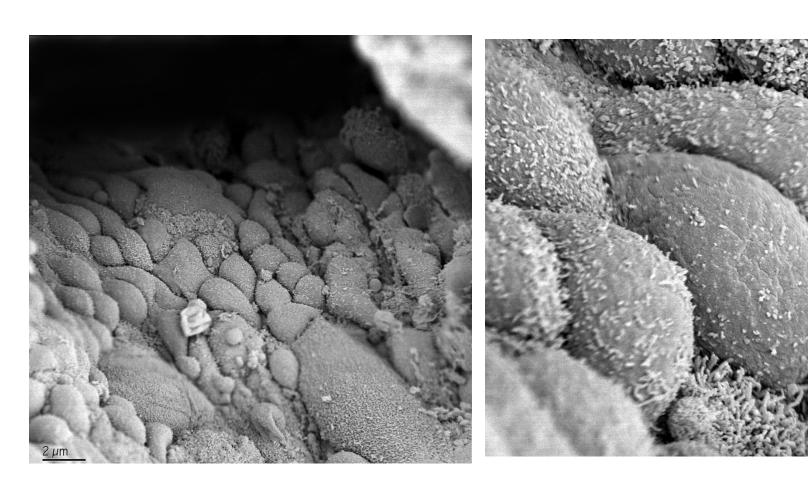


Cytotrophoblasts remodel the uterine vasculature

- 1. Direct blood flow to the placenta
- 2. Vastly increase blood flow to the intervillous space
- Integrate while preserving the integrity of the entire maternal systemic circulation



Placental cytotrophoblasts lining modified vessel in 21 wk decidua



The placenta is integrated with the other extraembryonic structures.

