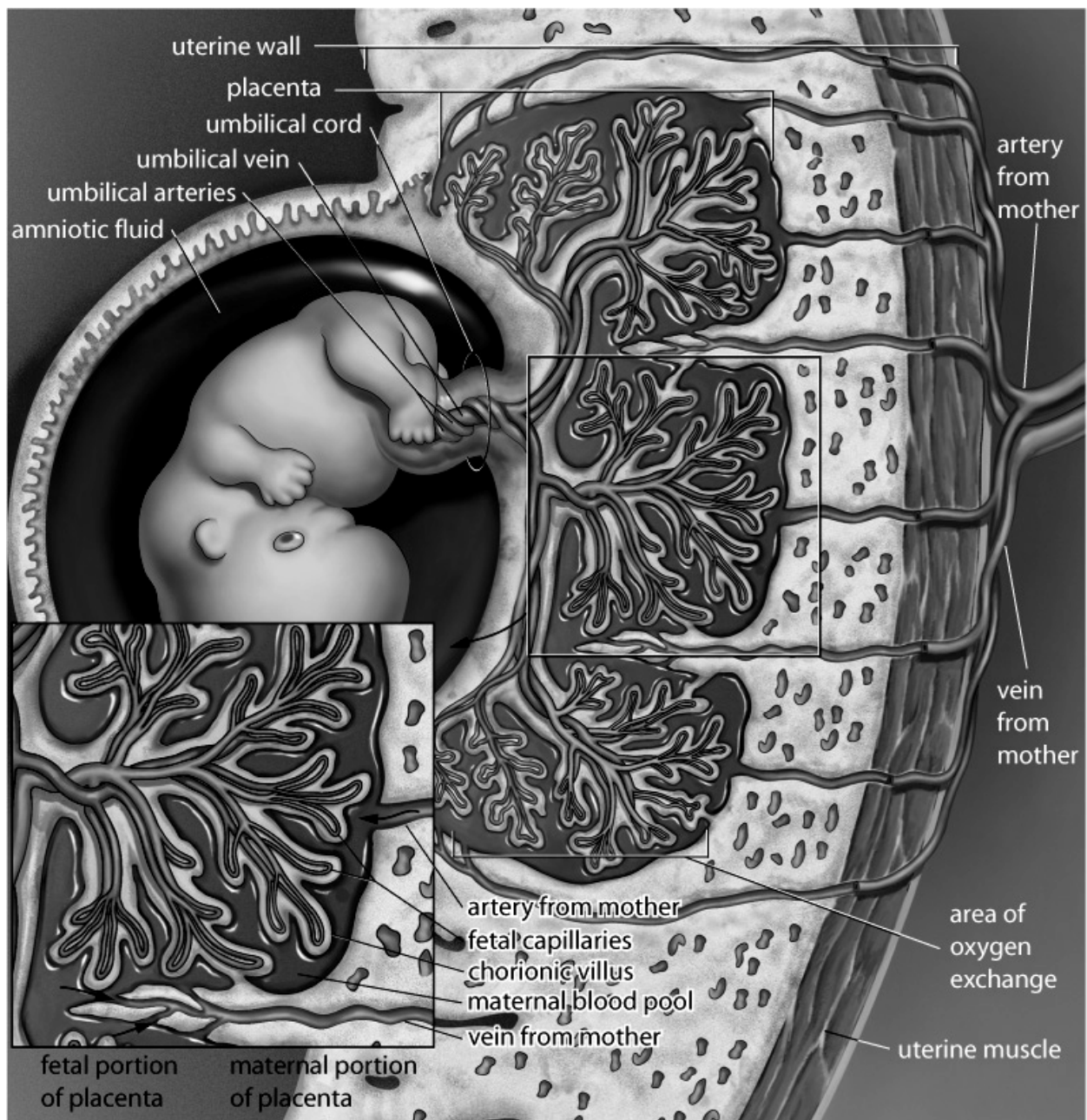


# Nourishing the Embryo



In the placenta, chorionic villi that extend from the embryo are in contact with pools of blood from the mother. Nutrients and oxygen pass by diffusion from the maternal blood to the embryo, and wastes diffuse in the opposite direction.