

PLACENTA

✓ The placenta is the highly vascular disk-like structure by which the fetus is attached to mother's uterine wall.

✓ Placenta is the temporary endocrine structure which partly derives from maternal and embryonic tissue.

• Placenta $\left\{ \begin{array}{l} \text{Fetal component} \rightarrow \text{develops from chorion.} \\ \text{Maternal component} \rightarrow \text{develops from endometrium.} \end{array} \right.$

Classification of Human placenta -

a) Deciduate placenta $\rightarrow$ close association b/w chorionic villi and uterine wall.

b) Intervillous placenta $\rightarrow$ the chorionic sac penetrates deep inside the wall of uterus.

c) Mono-discoidal $\rightarrow$ the villi are present only on dorsal surface in a singular disc like area.

d) Haemochorial $\rightarrow$ the blood of mother in direct contact with chorionic villi.

