

ORGANOGENESIS

Meaning: Organogenesis is the process of organ formation during embryonic development.

1. Organogenesis is a critical phase in embryonic development where organs begin to form.
2. Research into organogenesis can lead to breakthroughs in regenerative medicine and tissue engineering.
3. The study of organogenesis involves understanding the signaling pathways that guide cellular differentiation.
4. Errors in organogenesis can result in congenital abnormalities that affect numerous organ systems.
5. Scientists are exploring stem cell therapies to enhance organogenesis for transplant purposes.

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