

SYNCYTIUM

Meaning: Syncytium is a mass of cells that have fused together, often referring to a multinucleated structure that plays a role in embryonic development and can also form in response to viral infections.

1. The syncytium formed during the early stages of embryonic development is crucial for proper cell differentiation.
2. In the context of viral infections, the formation of a syncytium can facilitate the spread of the virus between adjacent cells.
3. Researchers are investigating the role of syncytium in muscle regeneration and repair following injury.
4. The presence of syncytium in certain types of tumors can indicate aggressive behavior and poor prognosis.
5. Understanding the mechanisms behind syncytium formation may lead to novel therapeutic strategies for various diseases.

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