CARTILAGINIFICATION

Meaning: Cartilaginification is the process by which cartilage is formed or developed, particularly during the growth of skeletal structures in embryos.

1. Cartilaginification is a crucial process in the development of certain types of skeletal structures.
2. The research focused on the mechanisms of cartilaginification during embryonic growth.
3. In some vertebrates, cartilaginification occurs earlier than in mammals, leading to different developmental pathways.
4. Scientists have discovered how cartilaginification can affect joint health over time.
5. Understanding cartilaginification can provide insights into treating cartilage injuries.
6. The study examined the role of specific genes in regulating cartilaginification.
7. Cartilaginification can lead to the formation of a temporary cartilage model before bone development.
8. Abnormalities in cartilaginification may contribute to various skeletal disorders.
9. The process of cartilaginification is essential for proper limb formation in developing embryos.
10. Advancements in tissue engineering aim to replicate aspects of cartilaginification for regenerative medicine.

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