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Chordate Embryology, 1/e Dr. P S Verma & Dr. V K Agarwal. ISBN: 9788121902618 Pages: 667 Binding: Paperback Language: English...

# **Chordate - Wikipedia**

The chordates are named for the notochord: a flexible, rod-shaped structure that is

found in the embryonic stage of all chordates and also in the adult stage of some chordate species. It is located between the digestive tube and the nerve cord, providing skeletal support through the length of the body.

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# Early chordate origins of the vertebrate second heart field

As the name implies, at some time in the life cycle a chordate possesses a stiff, dorsal supporting rod (the notochord). Also characteristic of the chordates are a tail that extends behind and above the anus, a hollow nerve cord above (or dorsal to) the gut, gill slits opening from the pharynx to the exterior, and an endostyle (a mucus-secreting structure) or its derivative between the gill slits.

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Characteristics of Chordata. Animals in the phylum Chordata share four key features that appear at some stage during their development: a notochord, a dorsal hollow nerve cord, pharyngeal slits, and a post-anal tail (Figure 2). In some groups, some of these are present only during embryonic development.

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### chordate | Definition, Characteristics, & Facts | Britannica

Introduction to Embryology in Chordata The phylum Chordata encompasses all living and extinct chordates. We, as humans, are chordates. In our embryological development, we possess a notochord --the...

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### **Chordate Zoology - P.S.Verma - Google Books**

The notochord is an embryonic midline structure common to all members of the phylum Chordata (Fig. 1). In higher vertebrates, the notochord exists transiently and has at least two important functions. First, the notochord is positioned centrally in the embryo with respect to both the dorsal-ventral (DV) and left-right (LR) axes.

### **UNSW Embryology 2009**

The chordates are named for the notochord, which is a flexible, rod-shaped structure that is found in the embryonic stage of all chordates and in the adult stage of some chordate species. It is located between the digestive tube and the nerve cord, and provides skeletal support through the length of the body.

# Characteristics of Chordates | Biology for Majors II

A chordate is an animal of the phylum Chordata. During some period of their life cycle, chordates possess a notochord, a dorsal nerve cord, pharyngeal slits, and a post-anal tail: these four anatomical features define this phylum. Chordates are also bilaterally symmetric, and have a coelom, metameric segmentation, and circulatory system. The Chordata and Ambulacraria together form the superphylum Deuterostomia. Chordates are divided into three subphyla: Vertebrata; Tunicata or Urochordata; and C

# **Notochord - Wikipedia**

If a species has a notochord at any stage of its life cycle, it is, by definition, a chordate. The notochord lies along the anteroposterior ("front to back") axis, is usually closer to the dorsal than the ventral surface of the animal, and is composed of cells derived from the mesoderm.

#### Structure and function of the notochord: an essential ...

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