Development of the caudal part of the human embryo

Propositions belonging to the PhD thesis

Development of the caudal part of the human embryo

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17-05-2022

1. Differential growth of the ventral and dorsal portions of cloaca rather than septa play an important role in cloacal subdivision. (this thesis)

2. The extrinsic innervation of the gut in the abdomen and lesser pelvis follows a common developmental pattern with some regional differences. (this thesis)

3. The topography of the extrinsic innervation of the gut in the abdomen and lesser pelvis is similar, but the timelines differ. (this thesis)

4. The positional change in sympathetic trunks results from different growth rates of the trunks and their surrounding structures. (this thesis)

5. Differential growth is a key morphogenetic factor in embryonic development.

6. A key to success in communicating developmental anatomy is a good story with good materials.

7. The anatomy of adult structures should be known before embryonic development can be properly understood. An in-depth understanding of developmental dynamics can, on the other hand, enhance one's understanding of adult anatomy.

8. Integration of 3D printed models of embryos in classroom teaching better conveys developmental changes in the embryo than standard teaching presentations alone.

9. Realistic images and accounts of embryonic development improve (medical) students' and doctors' comprehension, and may well improve surgical outcomes as well.

10. The place where you can be yourself is yours.