



Faculty of Biological Science and Technology
Zoology and Botanical Department
Practical Embryology

تکوین دوزیستان (مقاطع عرضی لارو ۴ میلی متری)

Amphibian development
(4 mm larvae; cross sections)

By: Shirin Kashfi

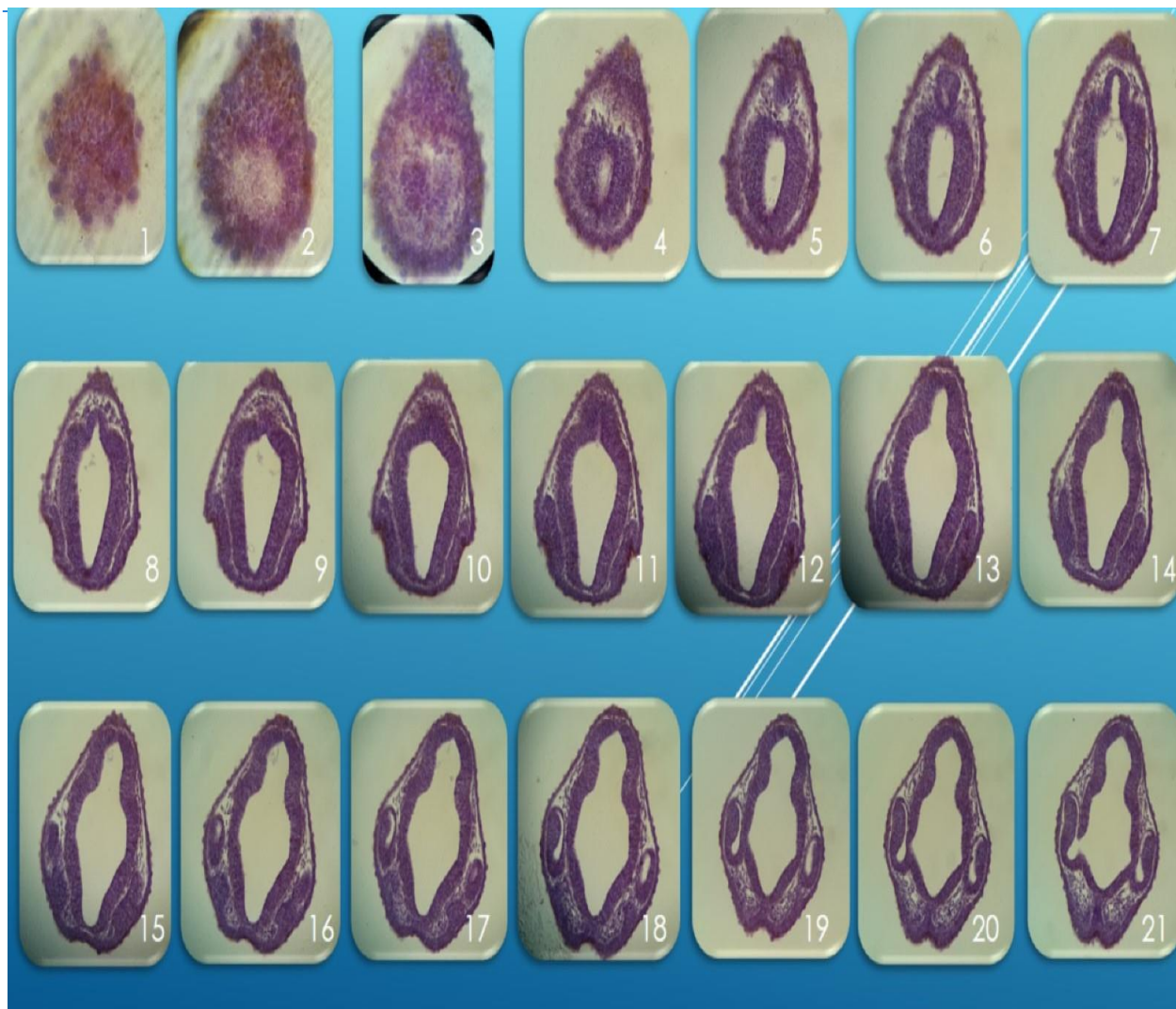
Ph.D in Animal Development

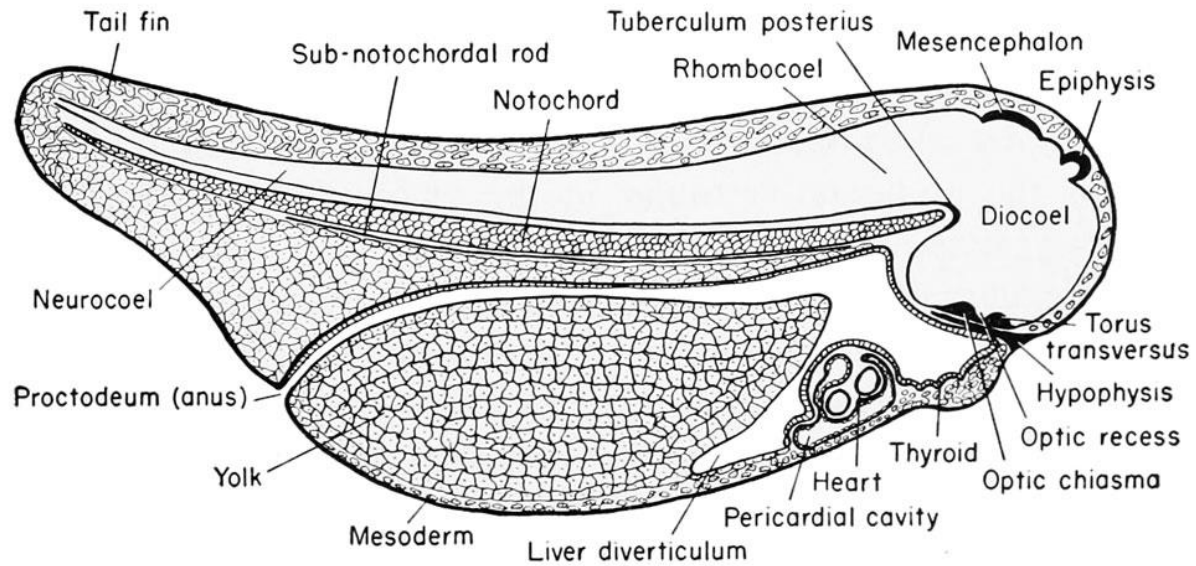
Sh.kashfi@staf.ui.ac.ir



- ▶ stage 18, 96 hpf, 4 mm, muscular response stage

Cross Sections

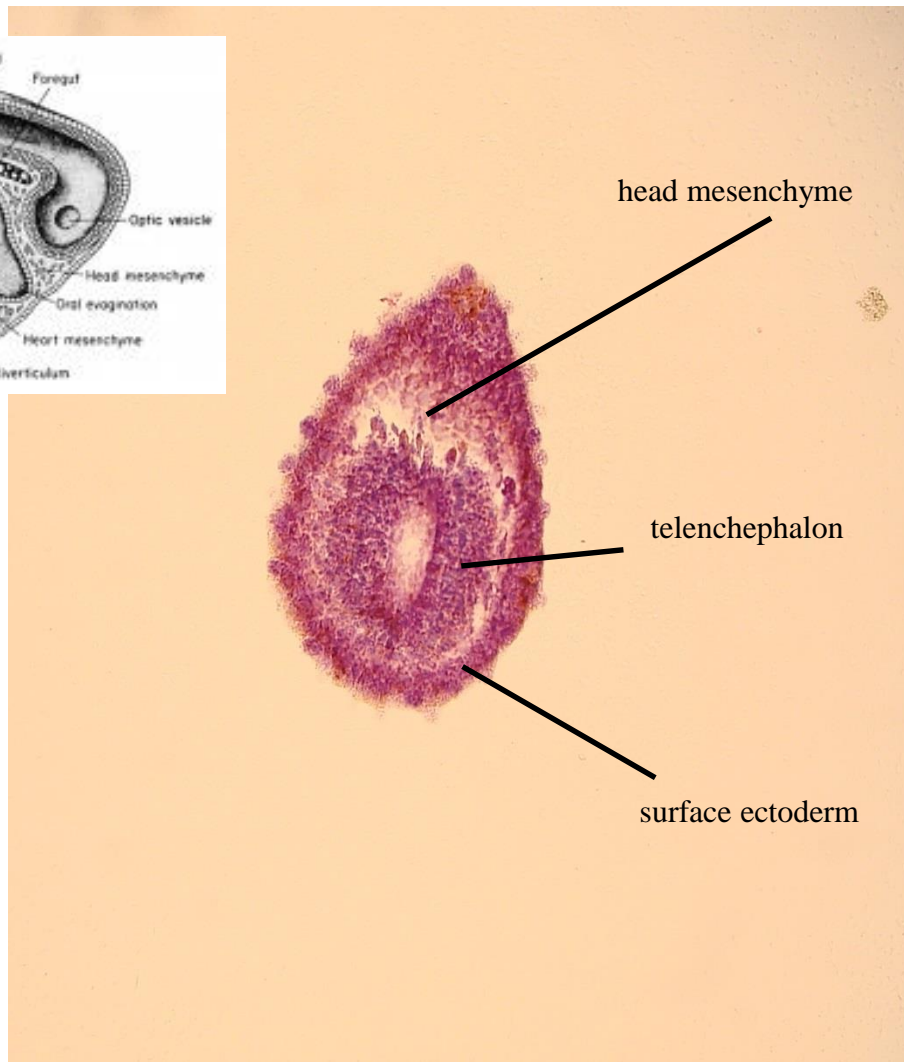
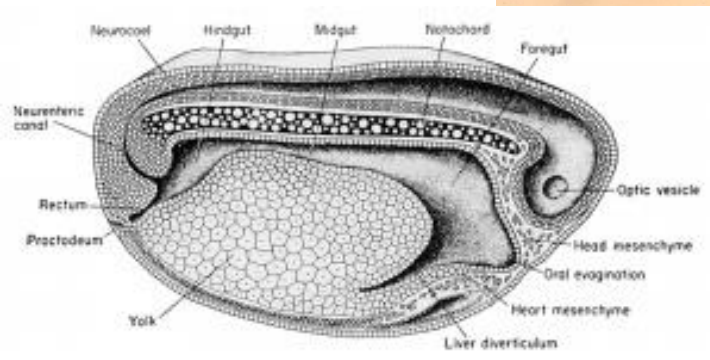


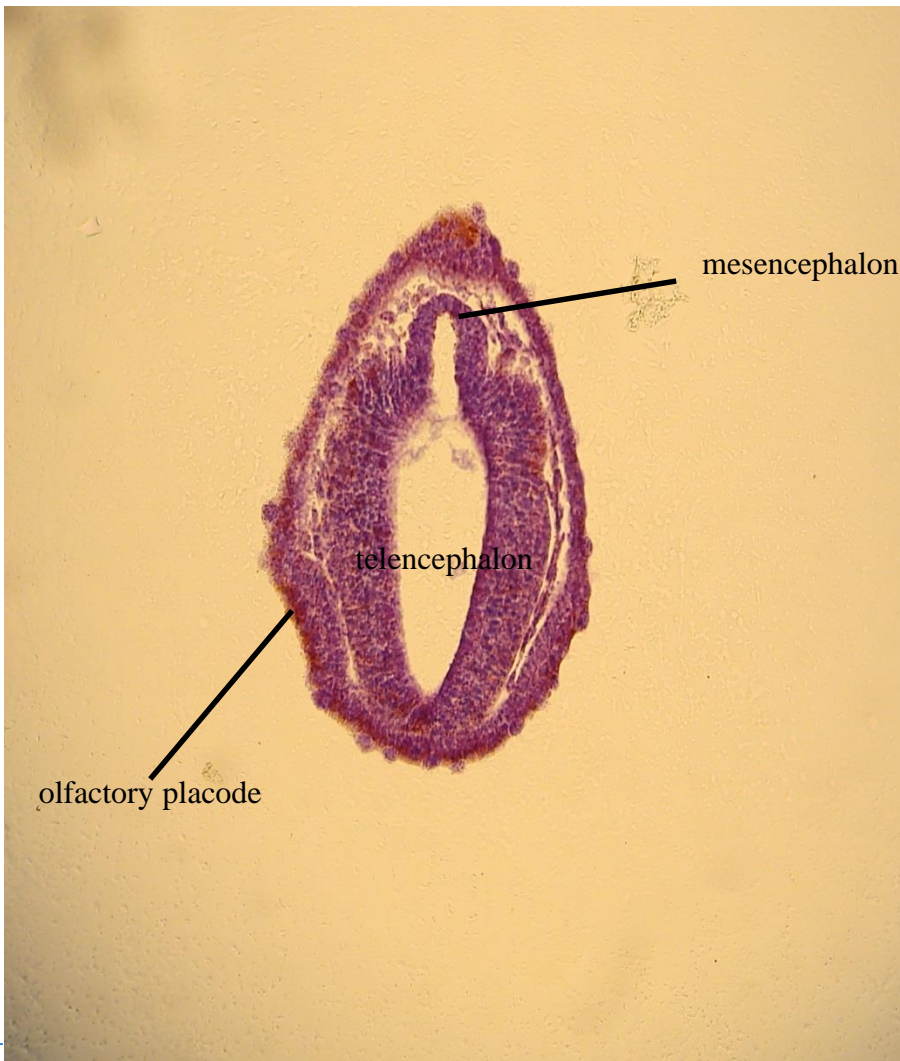
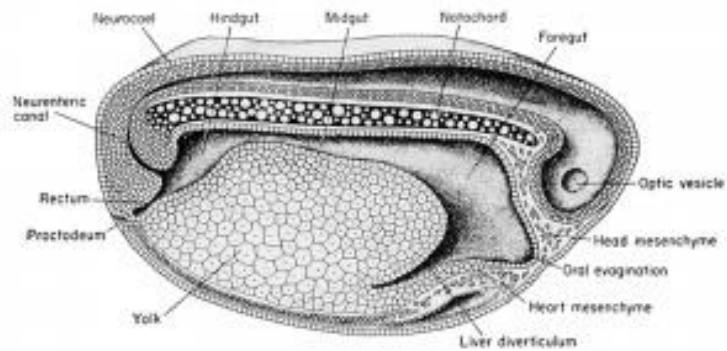


نمای شماتیک ساجیتال از لارو ۵ میلیمتری قورباغه



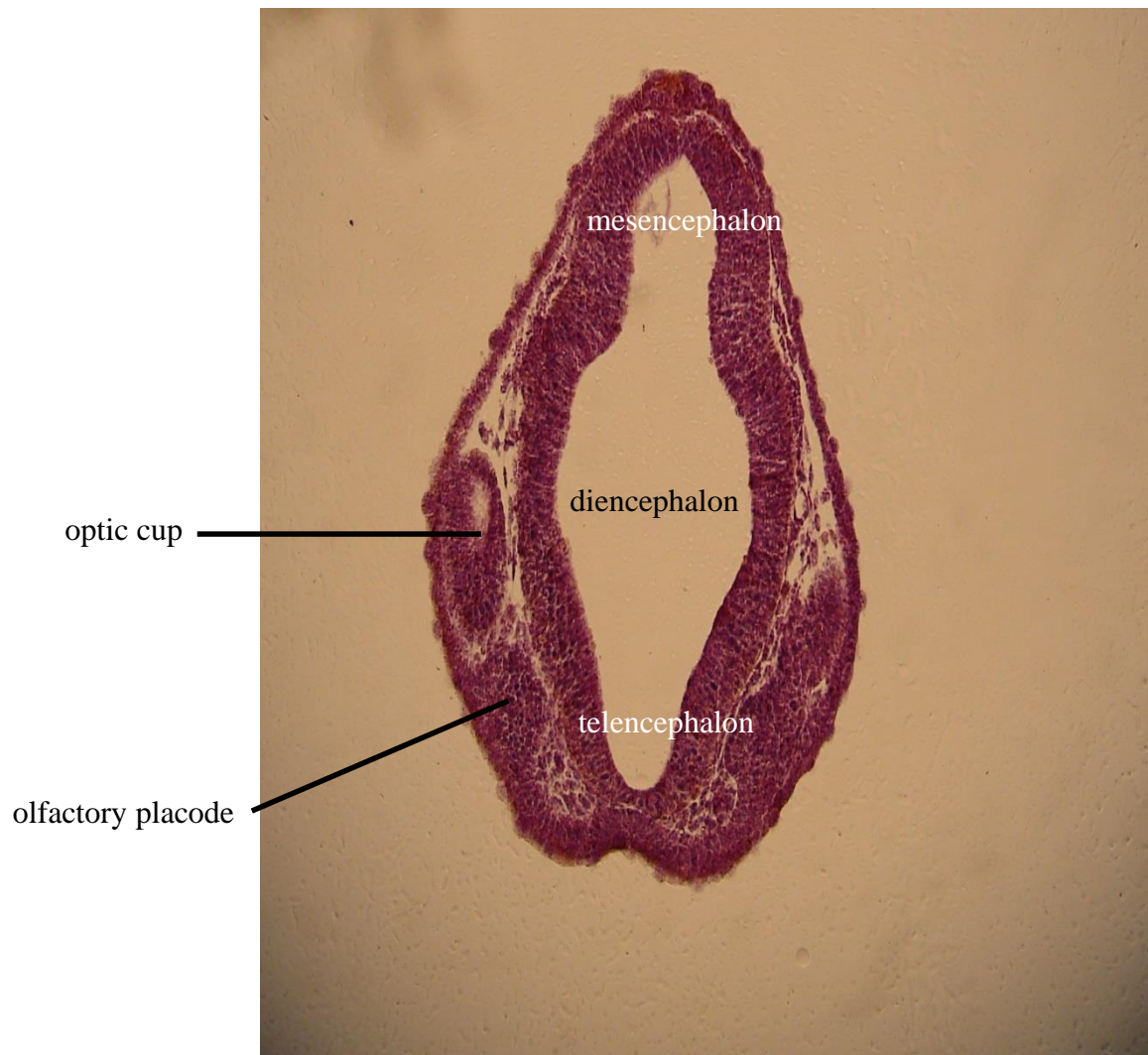
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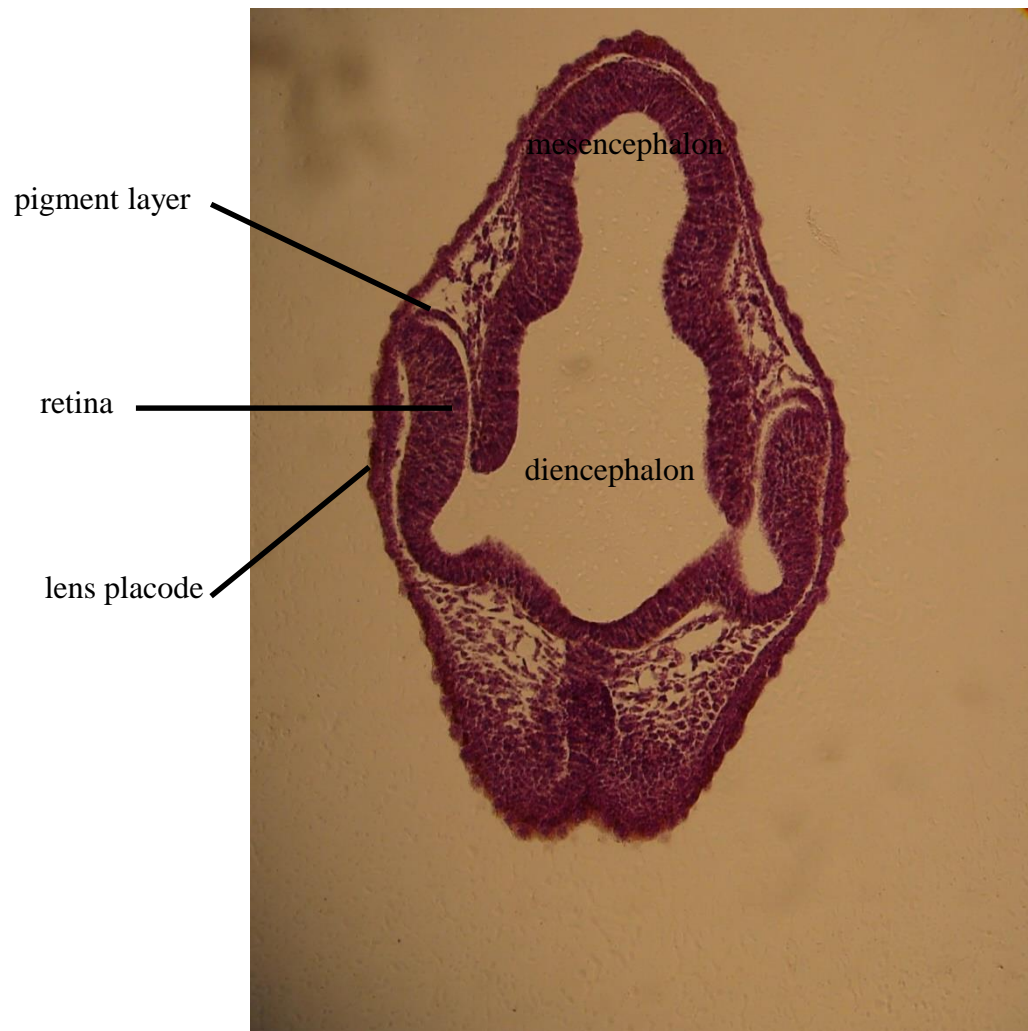


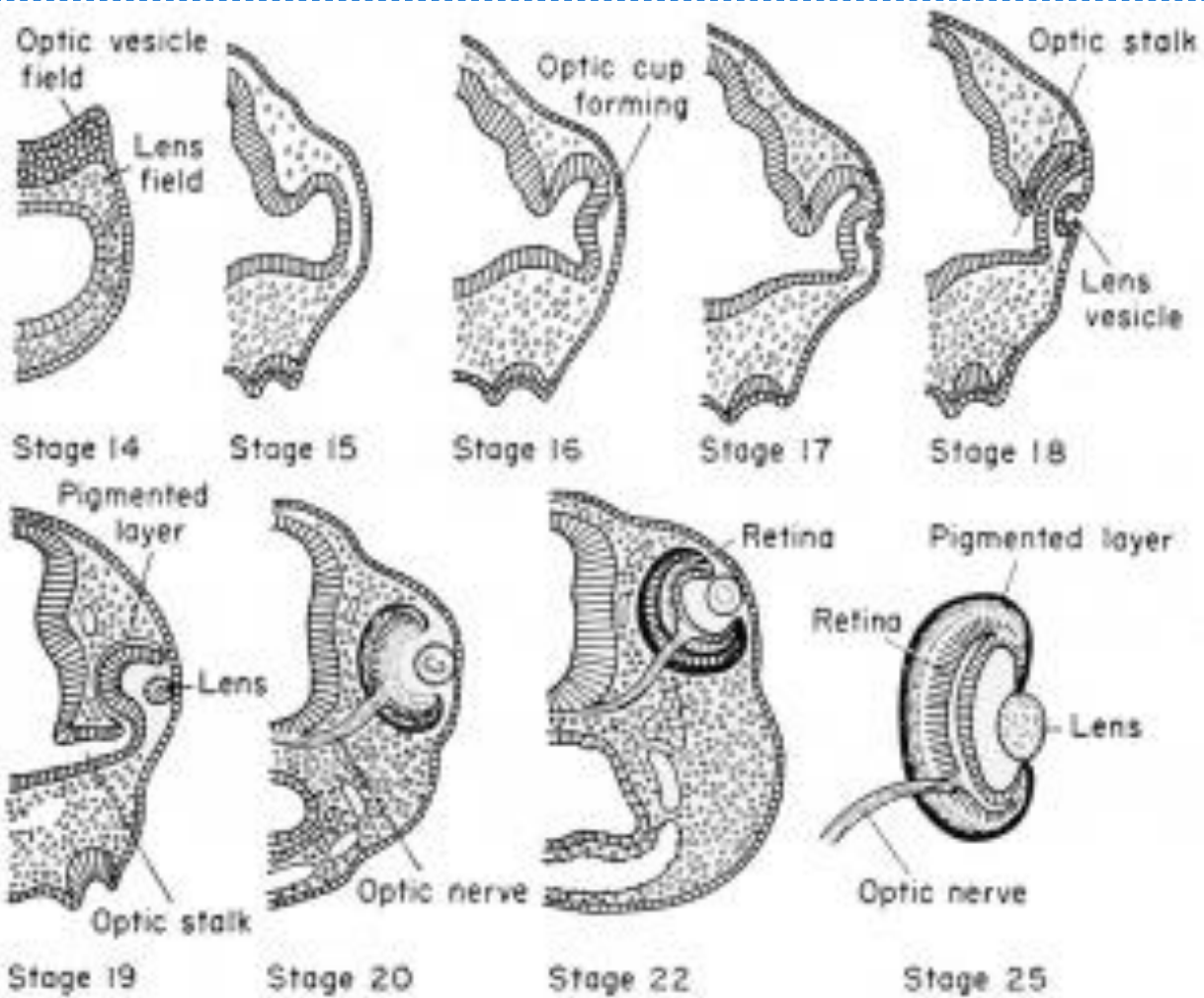


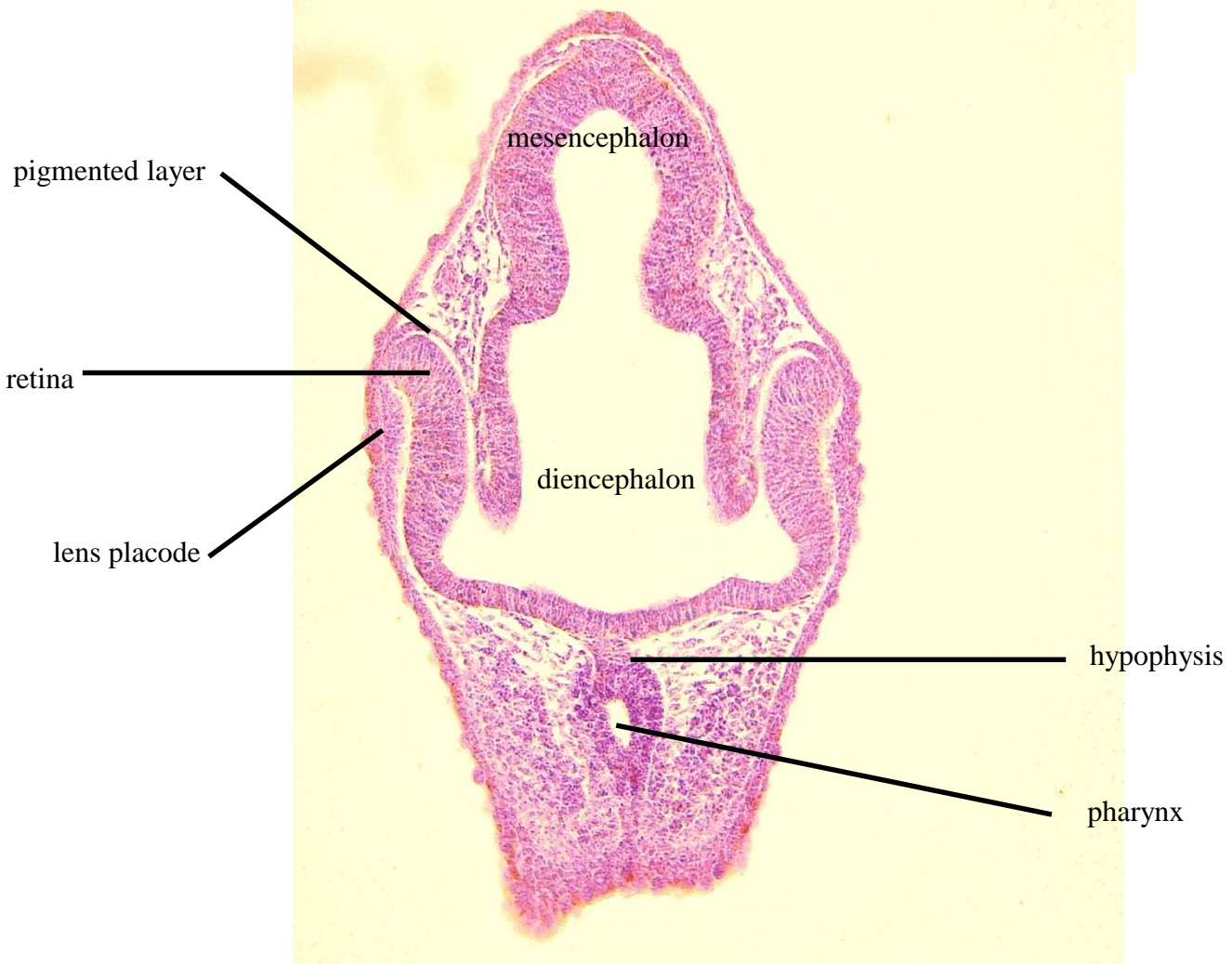
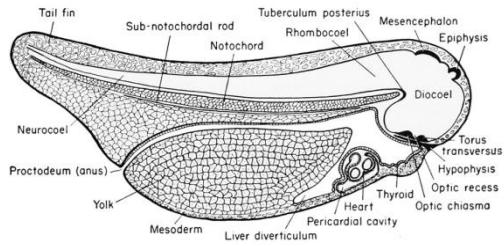
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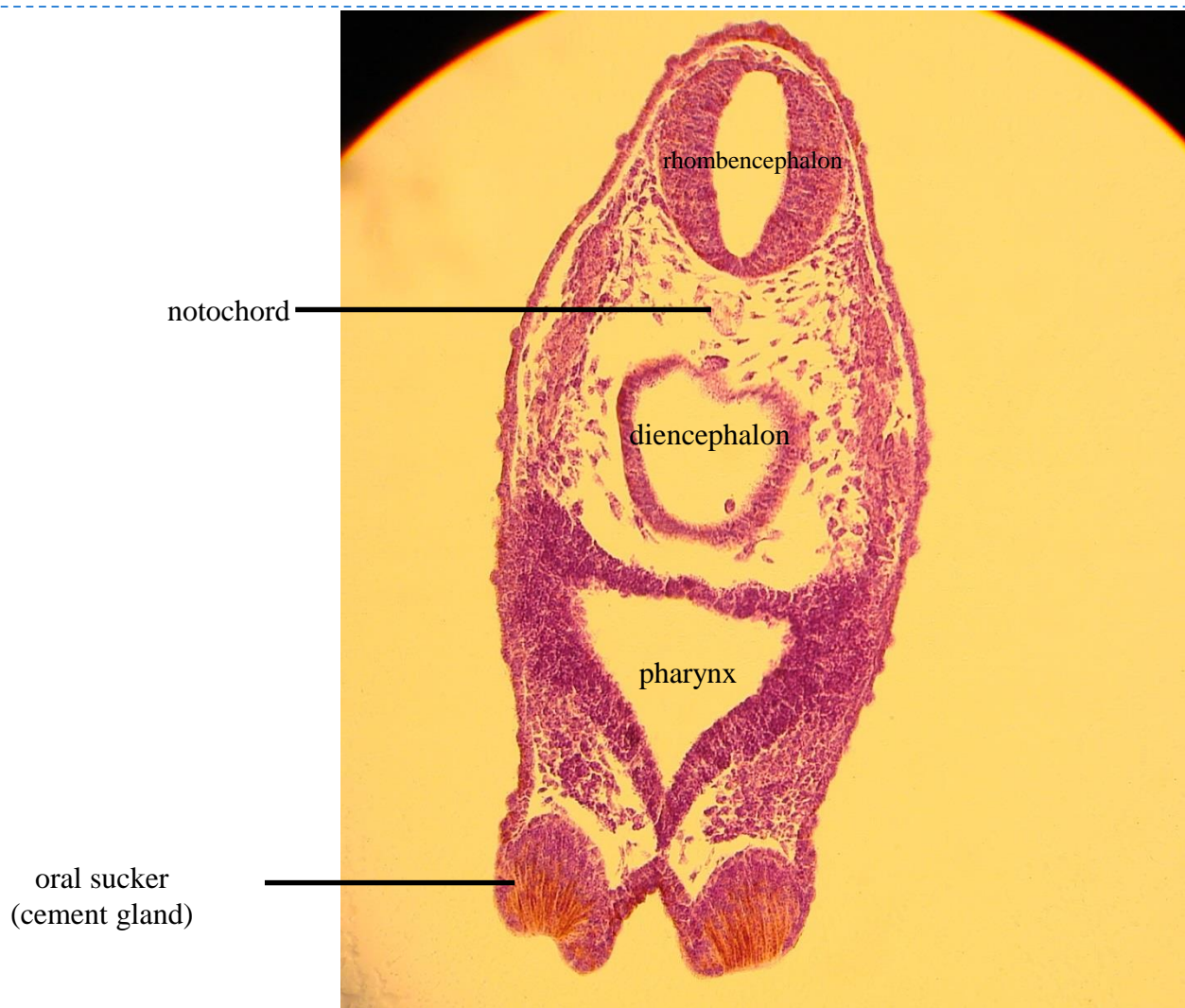


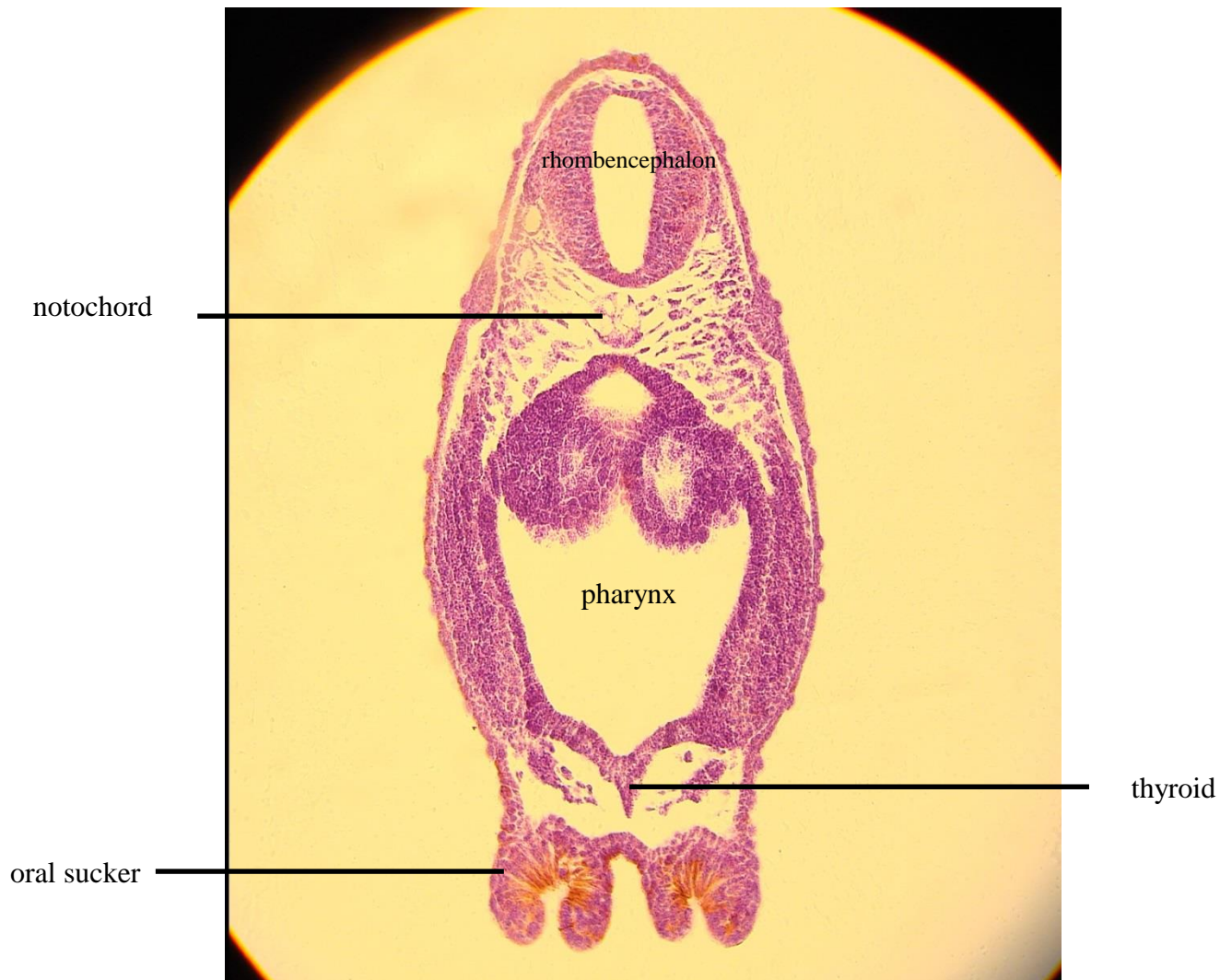






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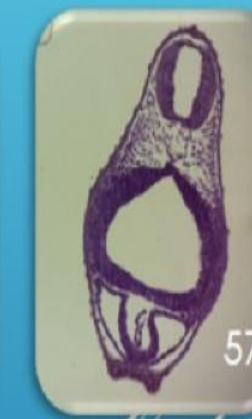
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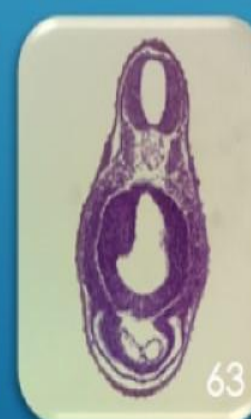
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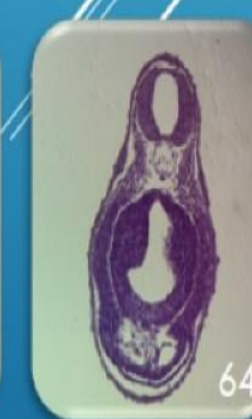
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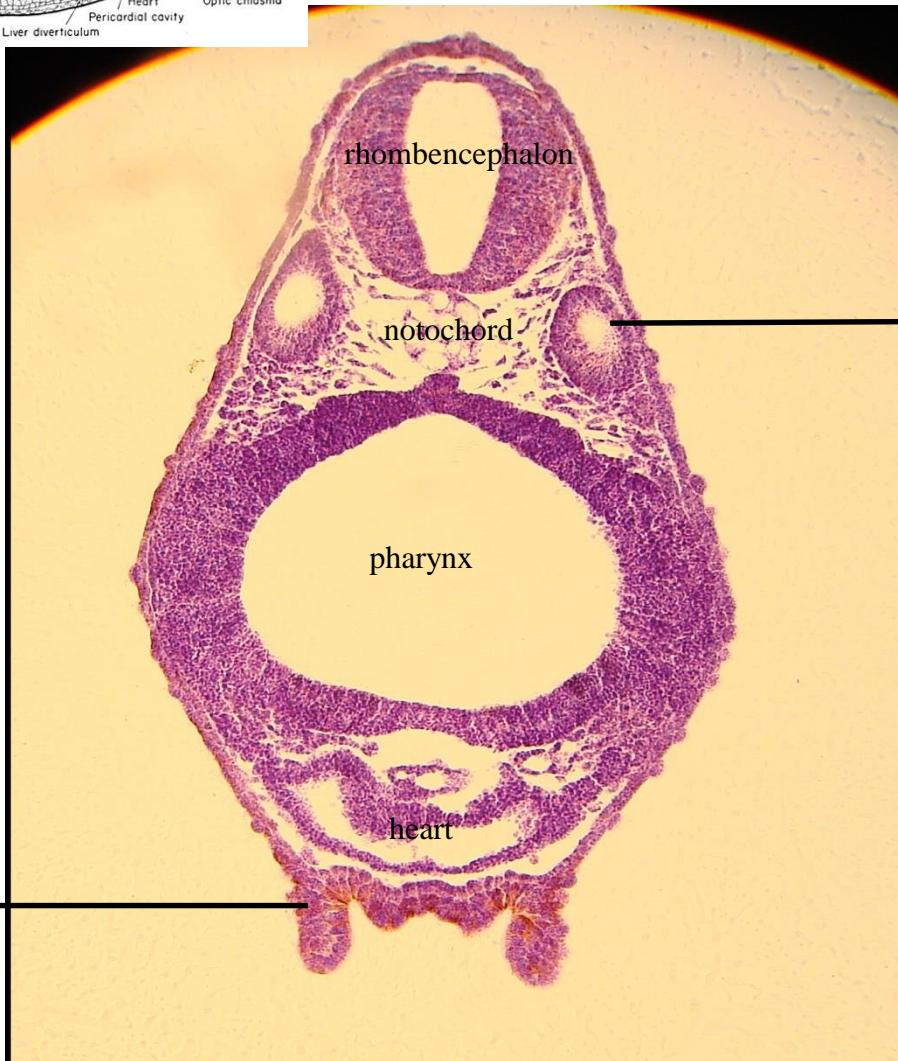
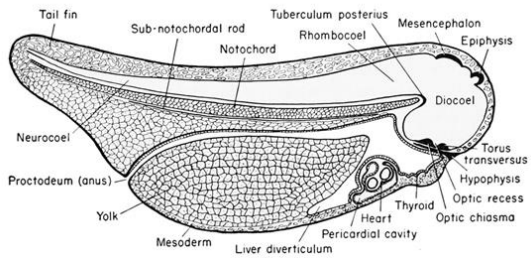
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oral sucker

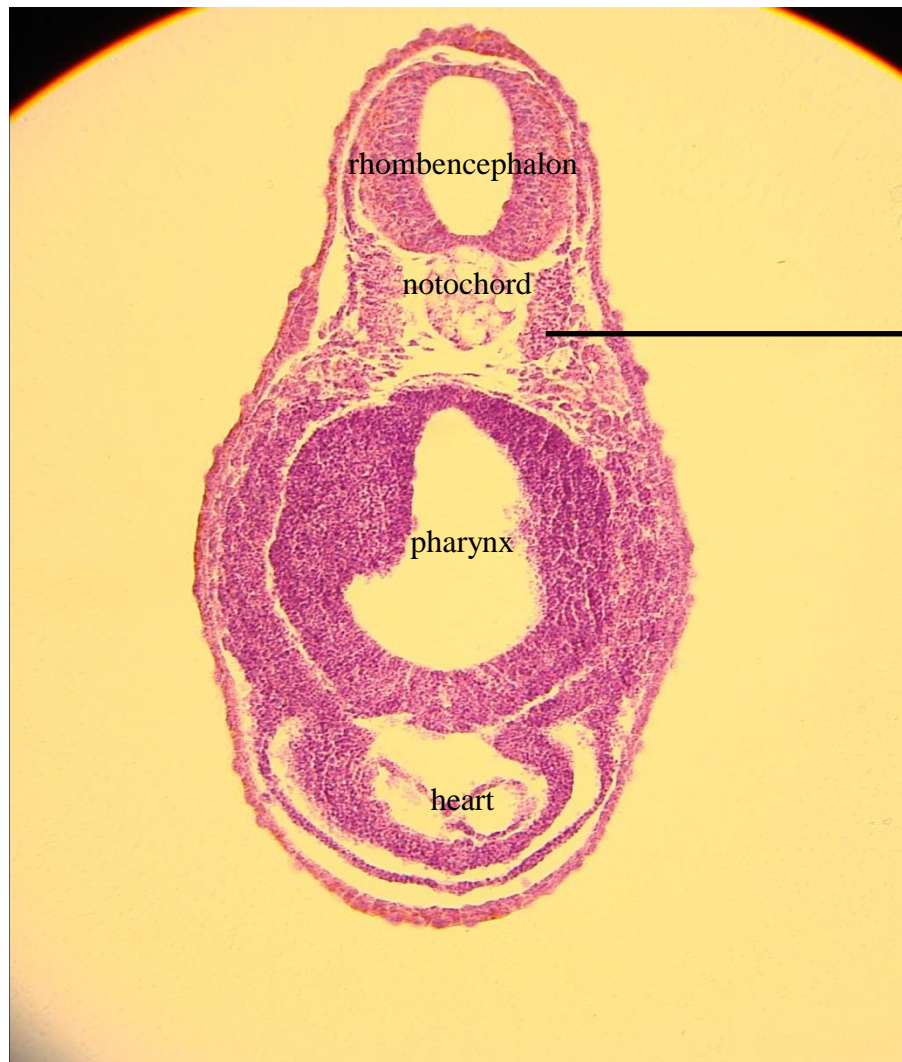
rhombencephalon

notochord

pharynx

heart

auditory vesicle



myomere

rhombencephalon

notochord

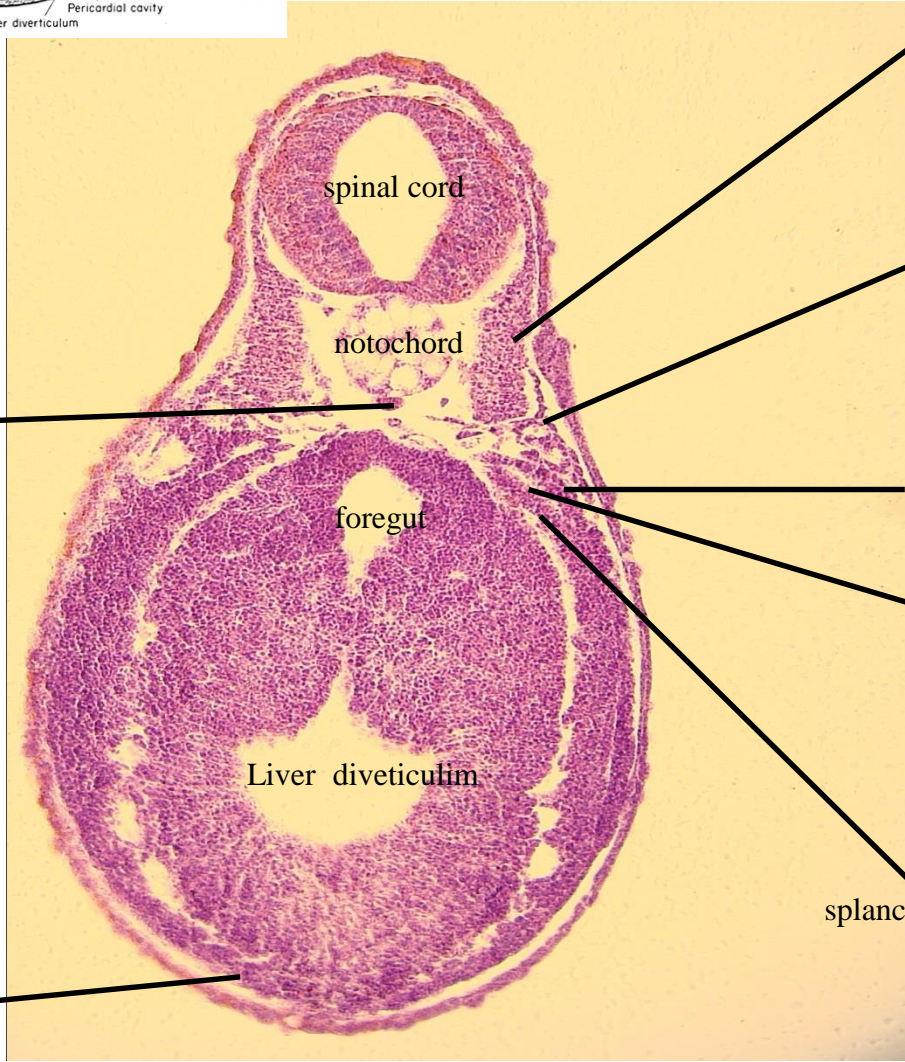
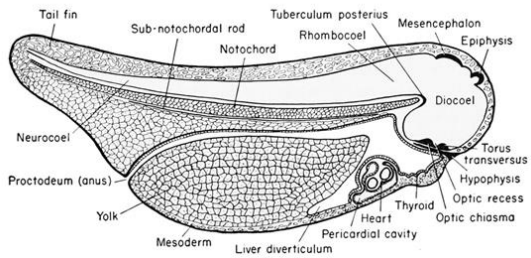
pharynx

heart





71



myomere

pronephric ducts

somatic mesoderm

coelom

splanchnic mesoderm

hypochord

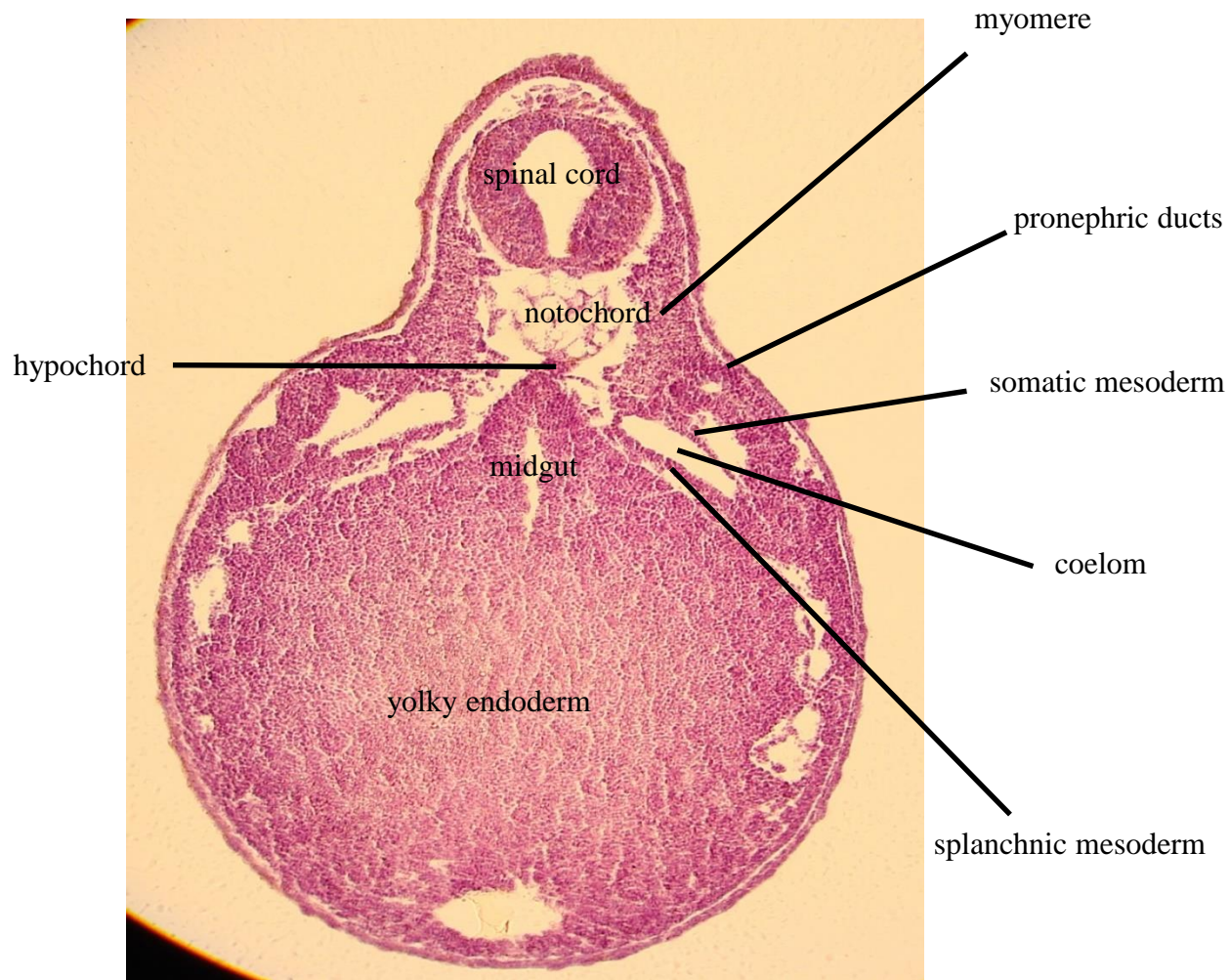
spinal cord

notochord

foregut

Liver diverticulum

ventral mesoderm





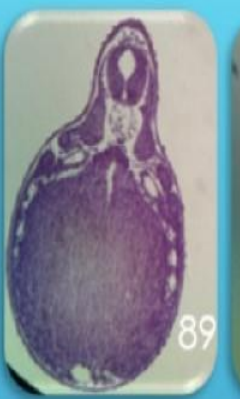
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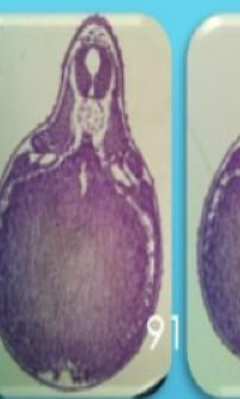
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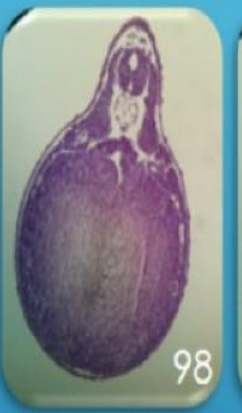
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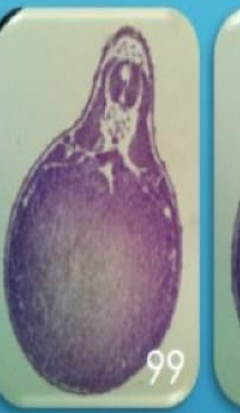
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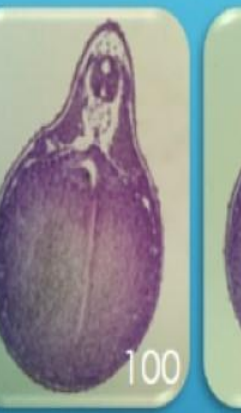
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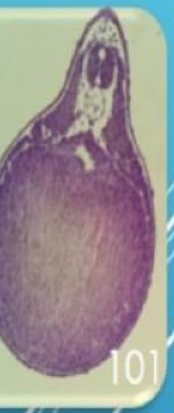
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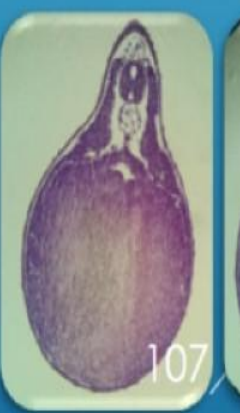
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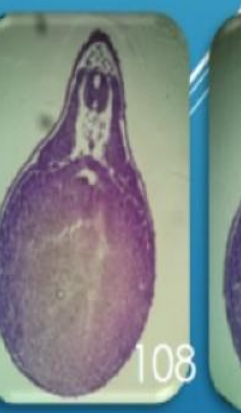
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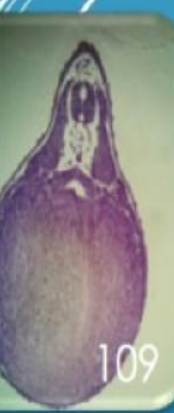
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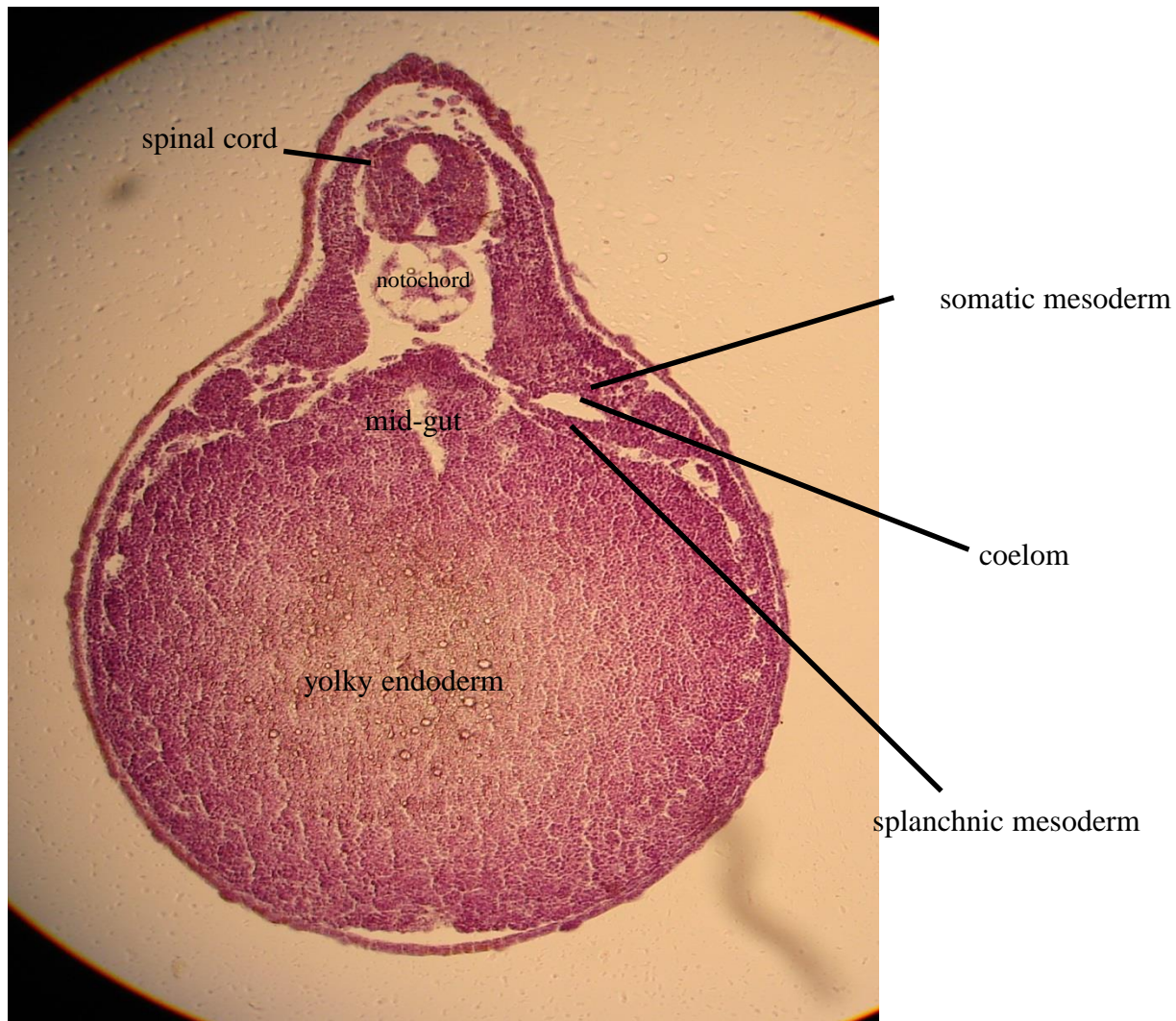
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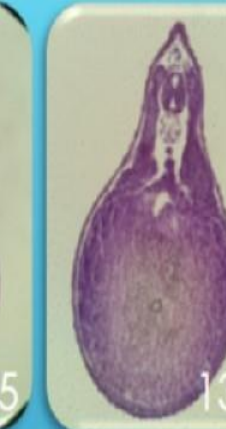
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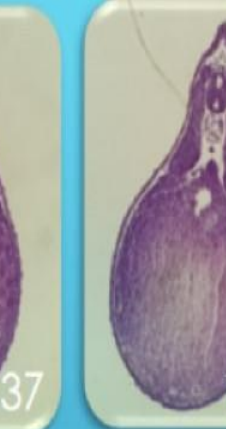
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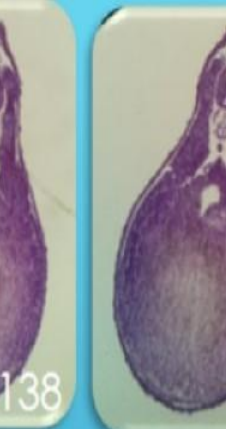
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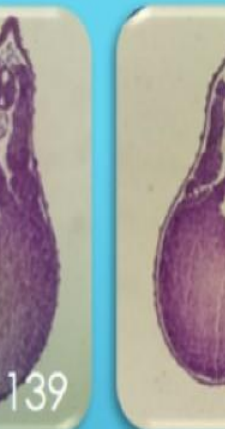
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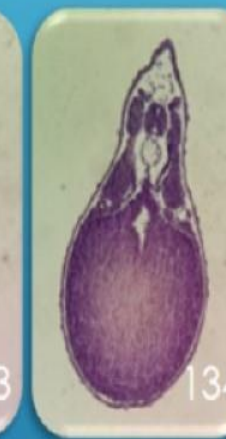
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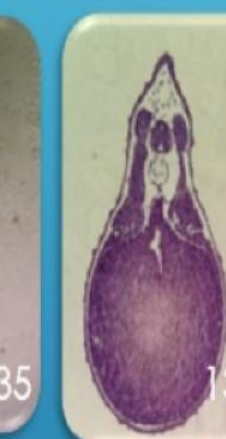
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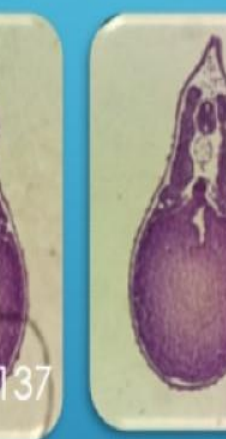
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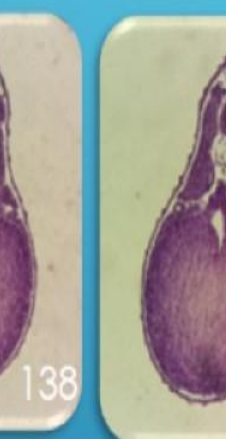
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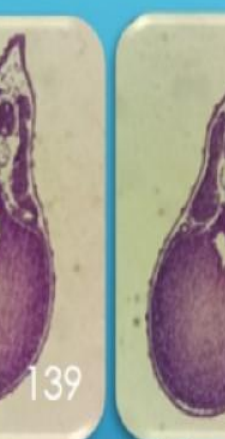
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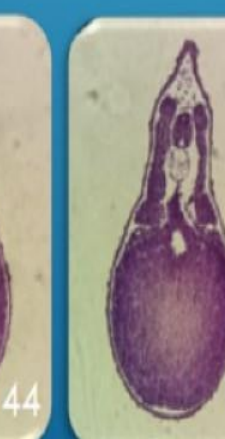
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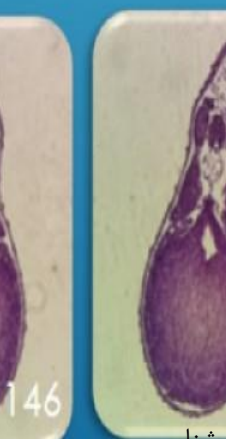
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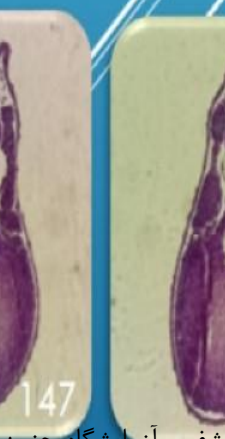
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spinal cord

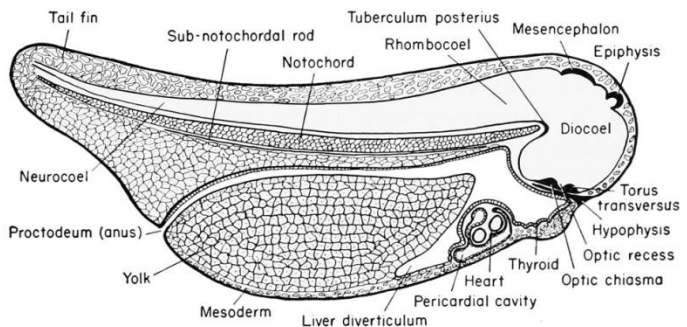
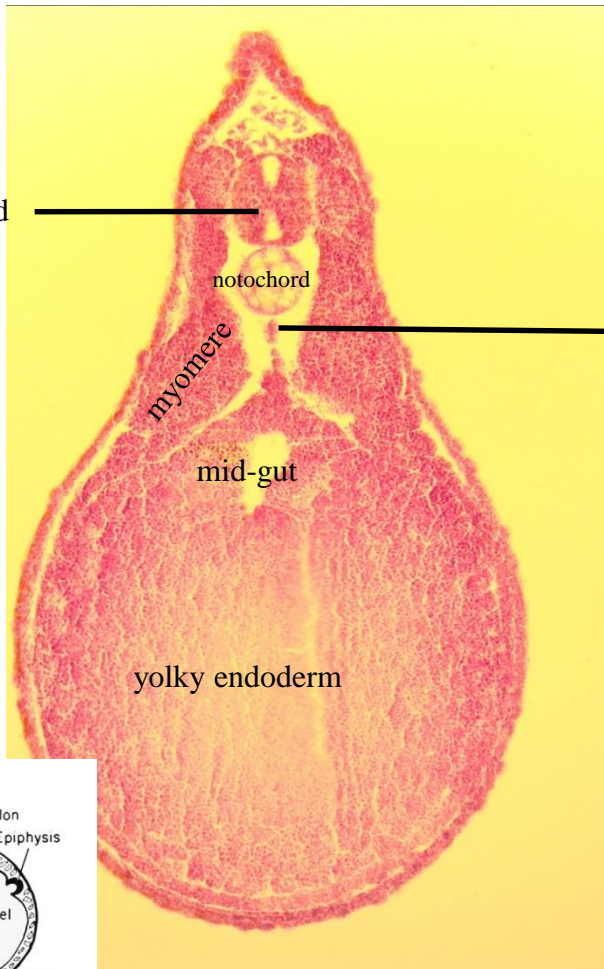
notochord

hypochord

myomere

mid-gut

yolky endoderm





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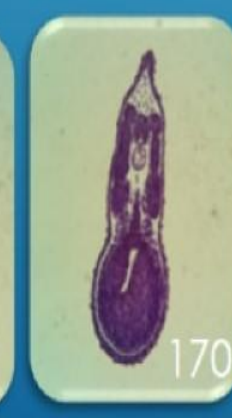
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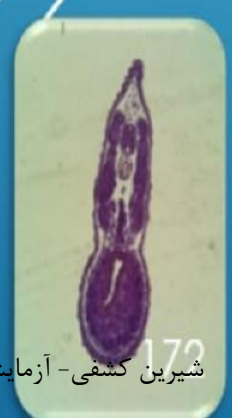
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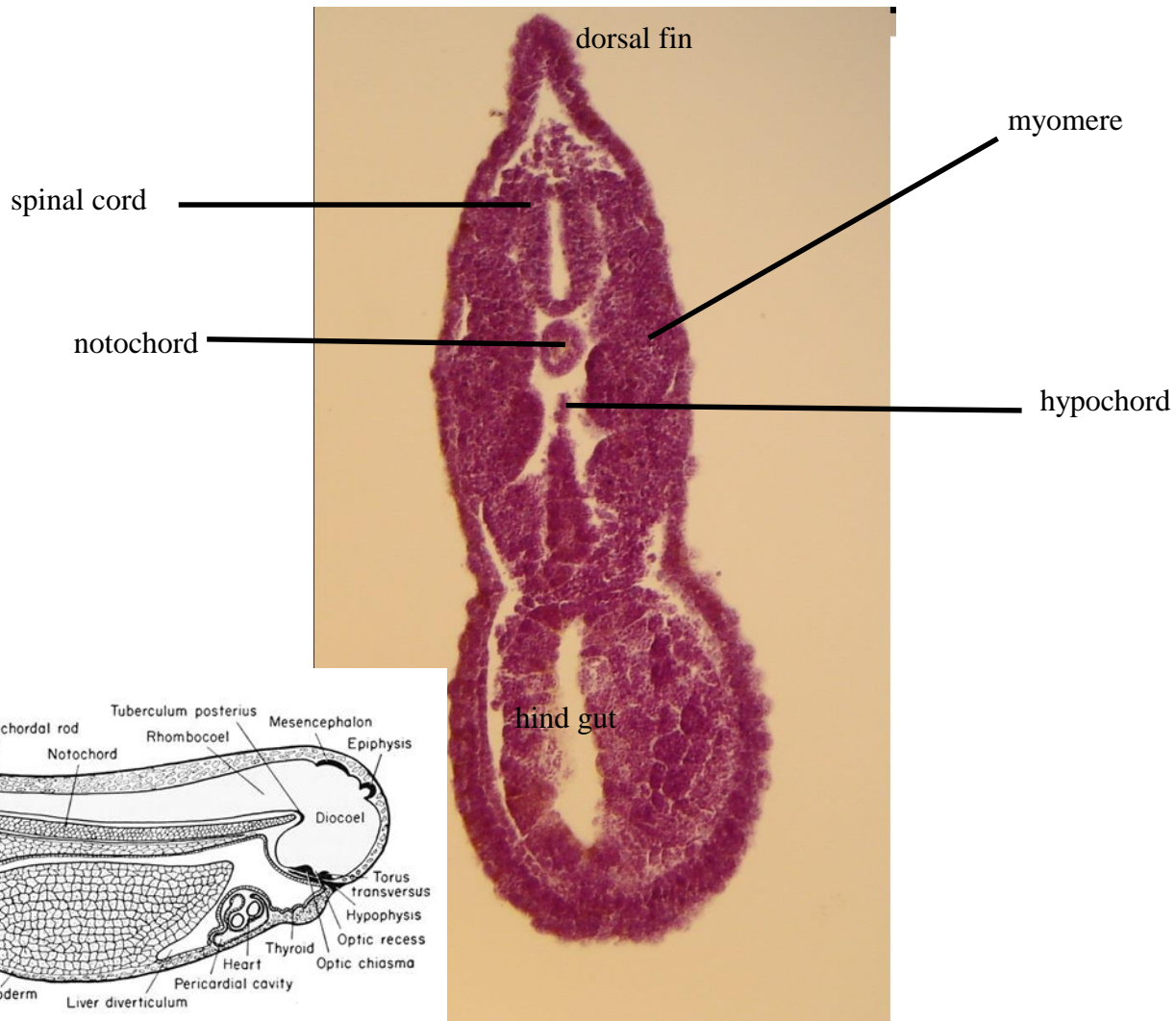
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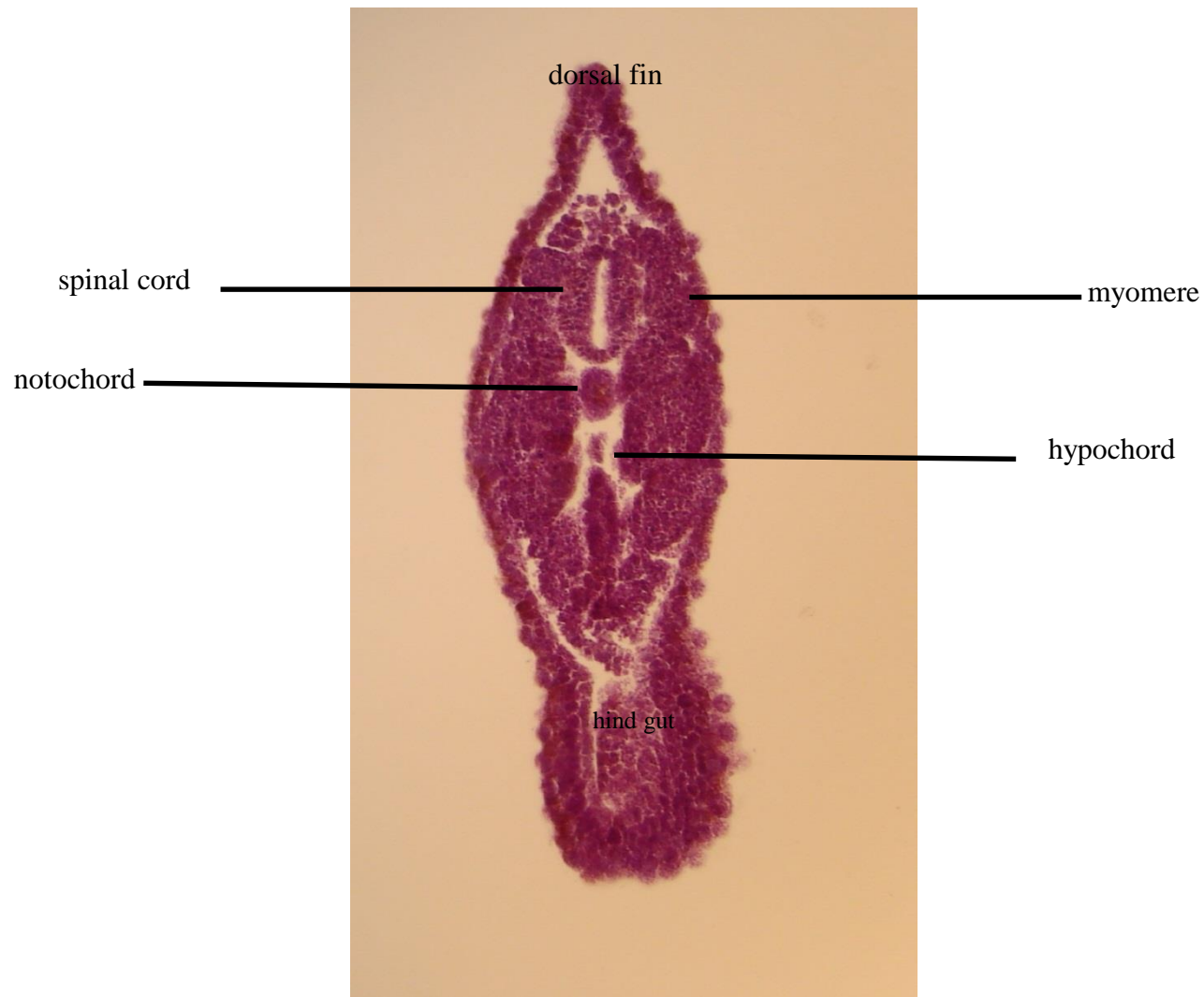


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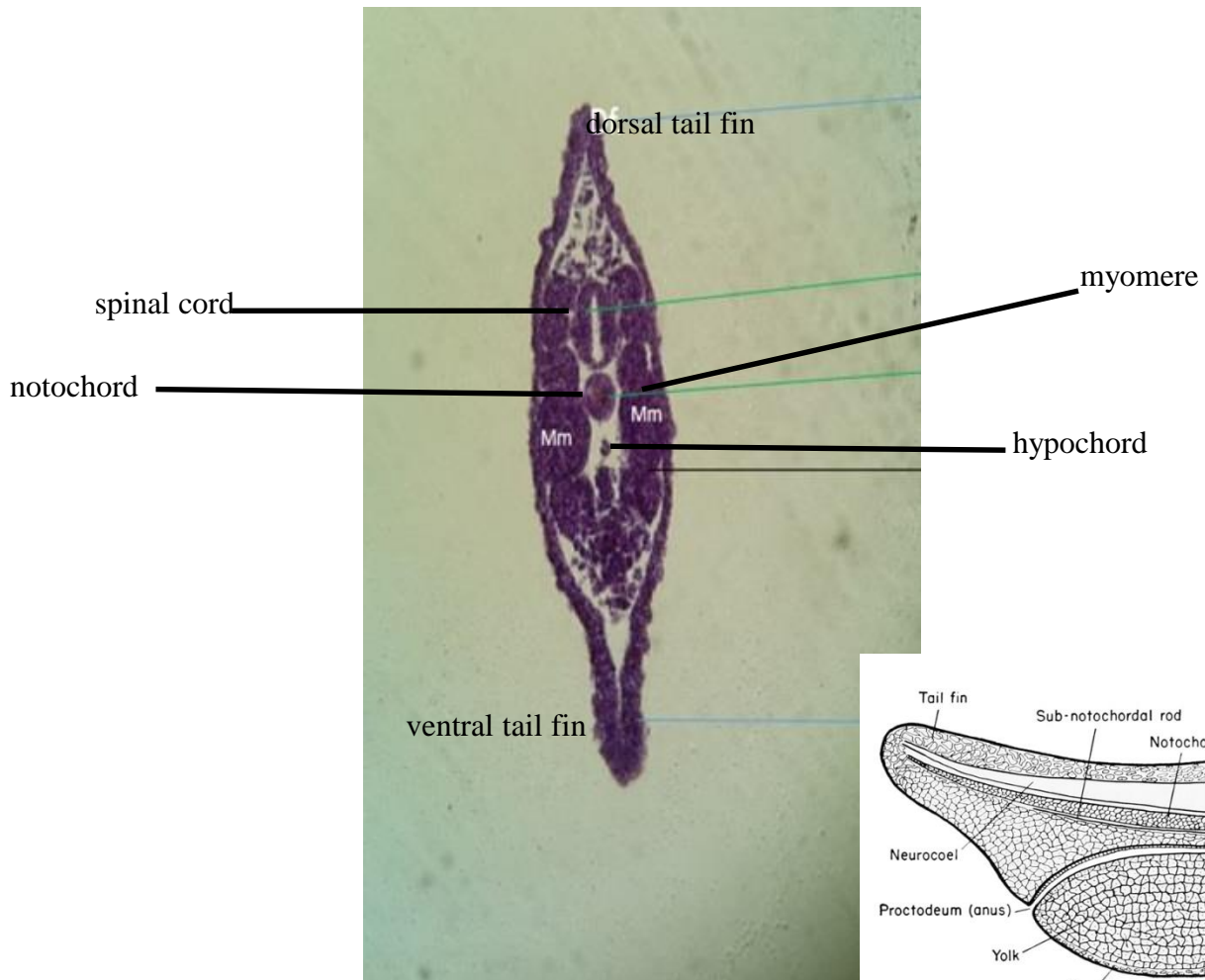
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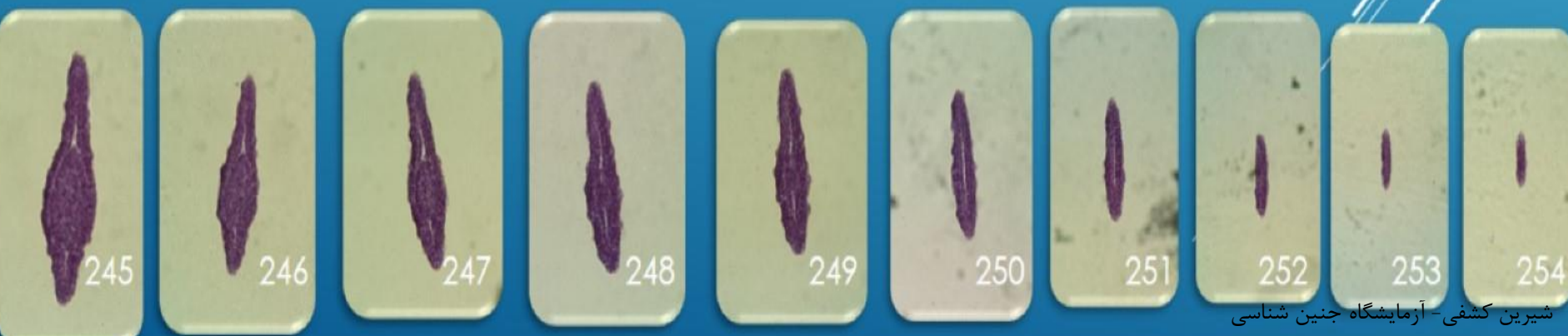
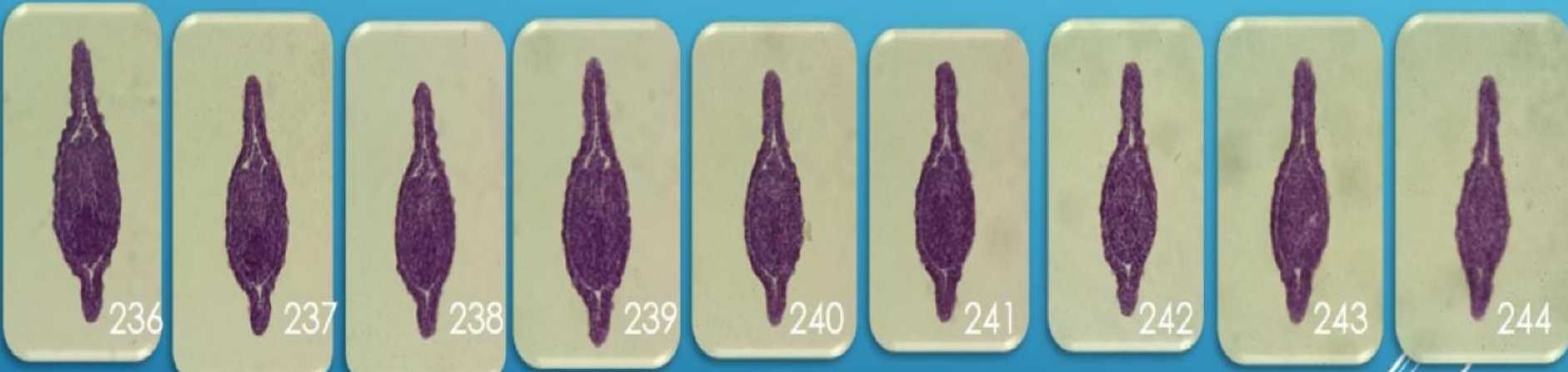


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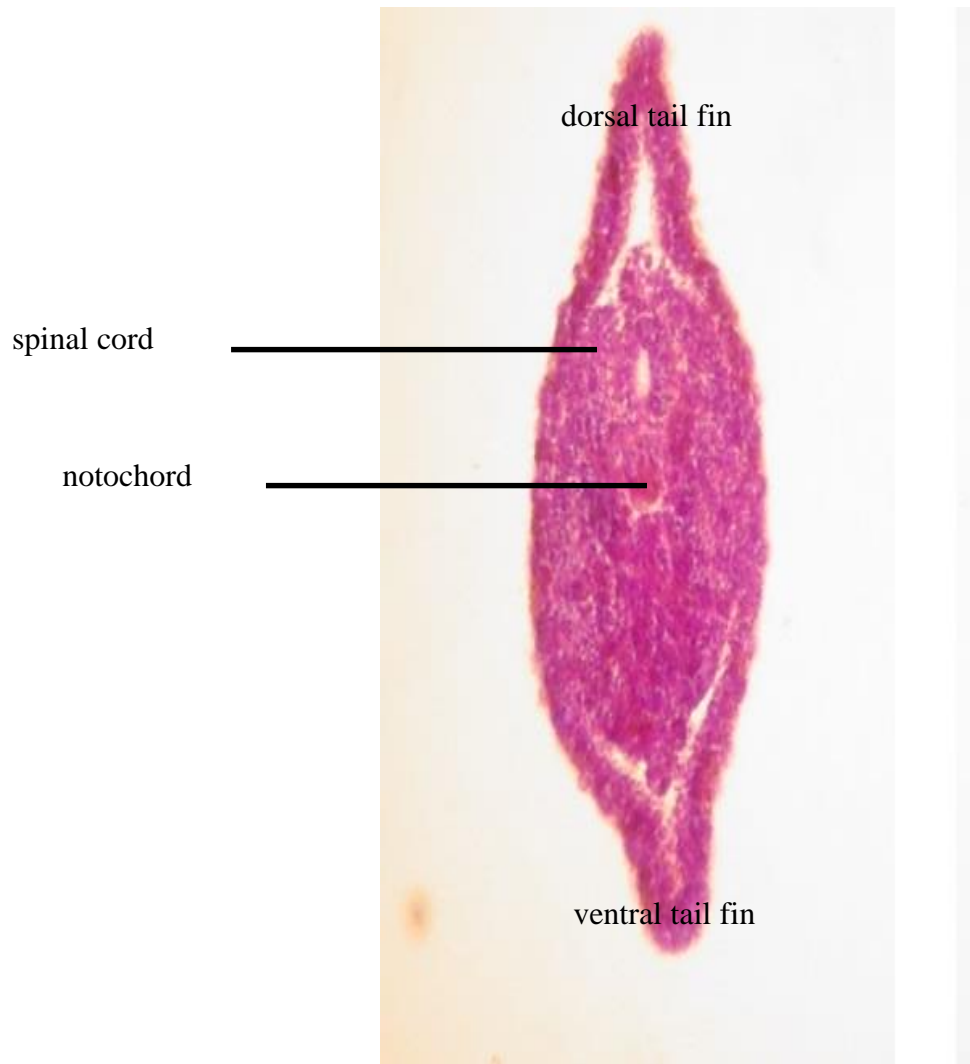
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cross section from tail bud region