

Development of Digestive System

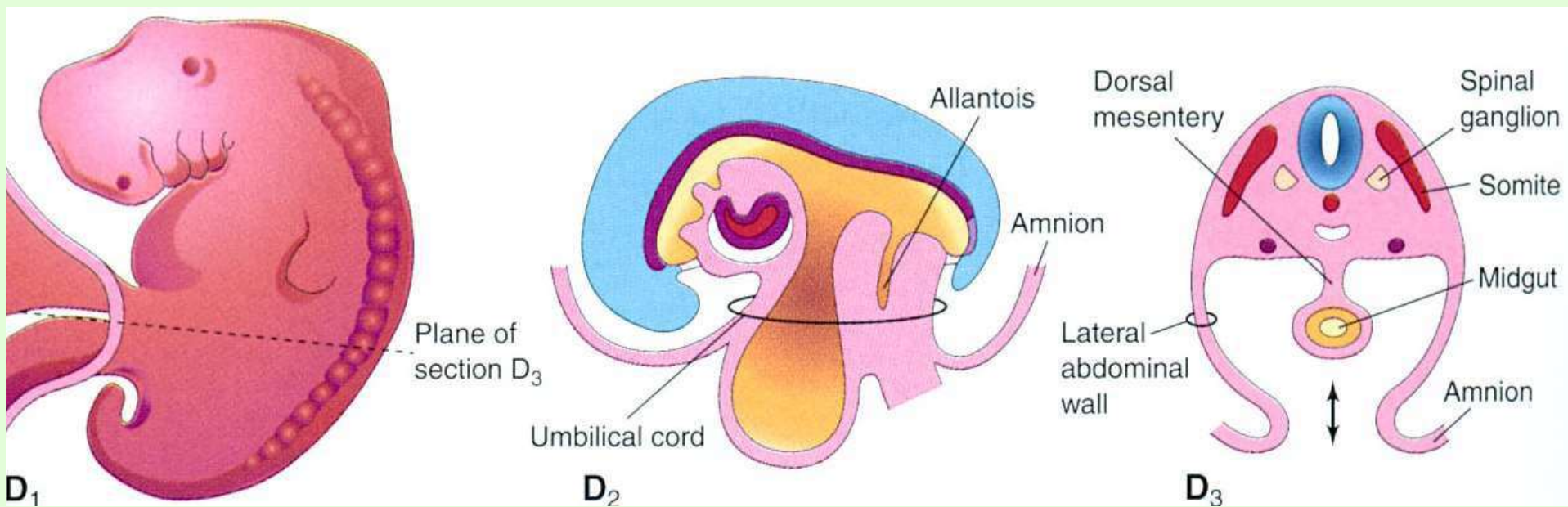


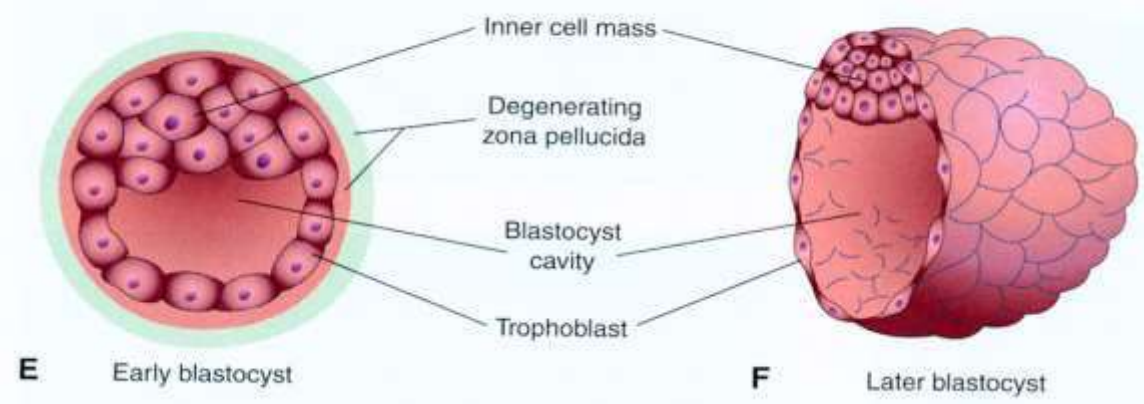
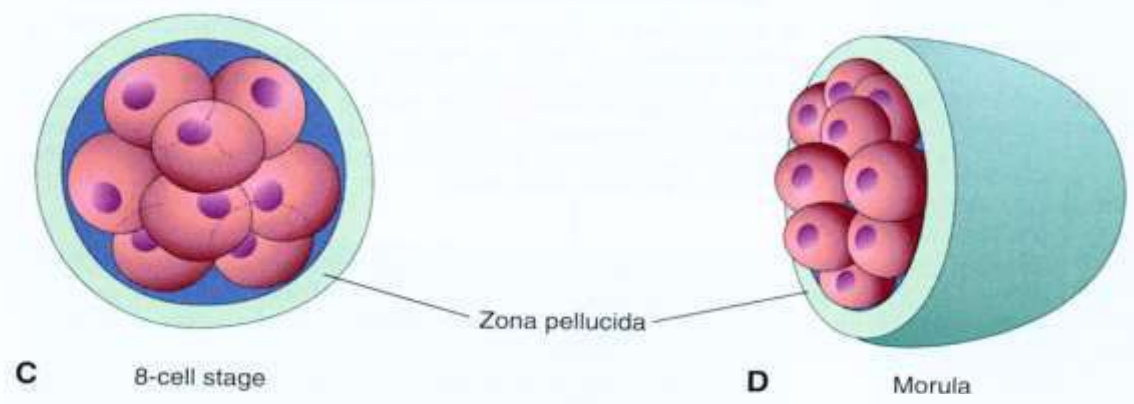
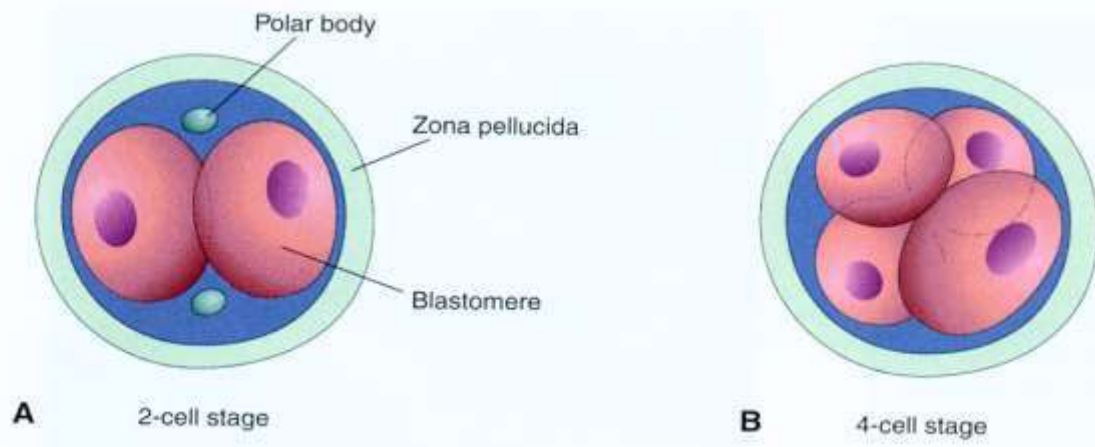
LU Xin

Shanghai Jiao Tong University
School of Medicine

The formation and differentiation of primitive gut

Origination: **primitive gut**





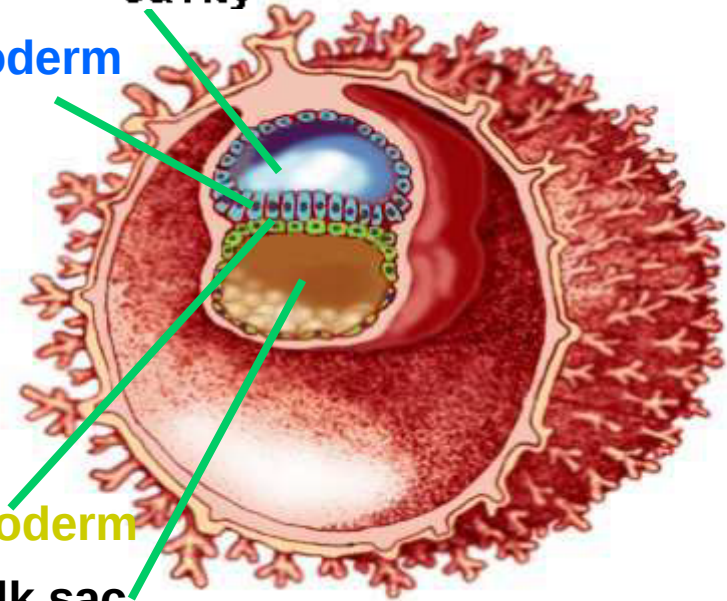
embryonic disc

amniotic cavity

ectoderm

endoderm

yolk sac



embryo

end of 2nd week

embryonic disc

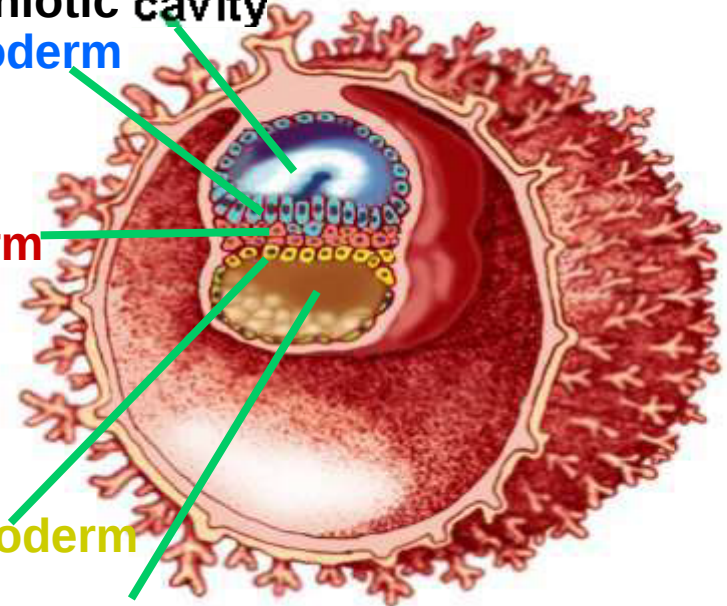
amniotic cavity

ectoderm

mesoderm

endoderm

yolk sac



embryo

beginning of 3rd week

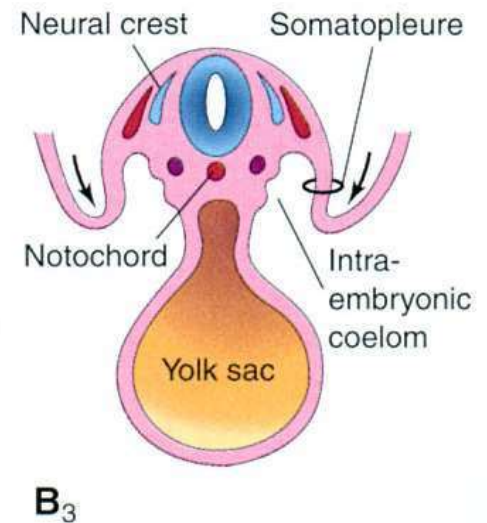
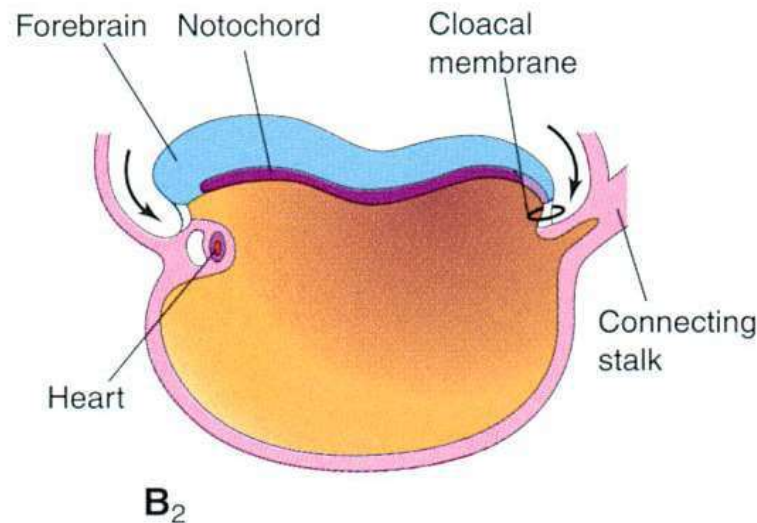
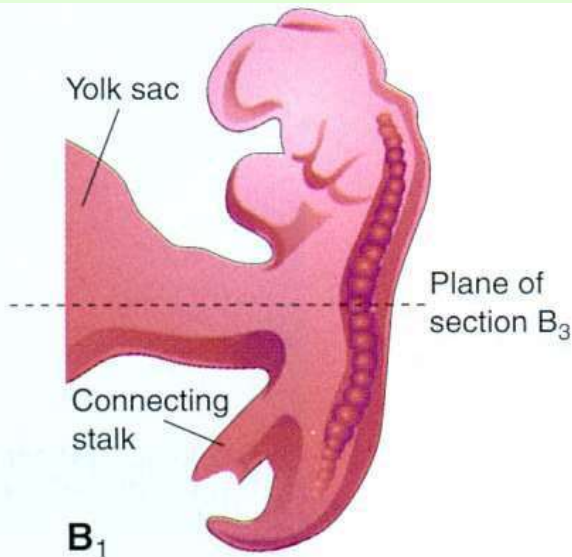
The formation and differentiation of primitive gut

roof of the
yolk sac

head fold
tail fold
lateral fold

primitive gut

digestive tract

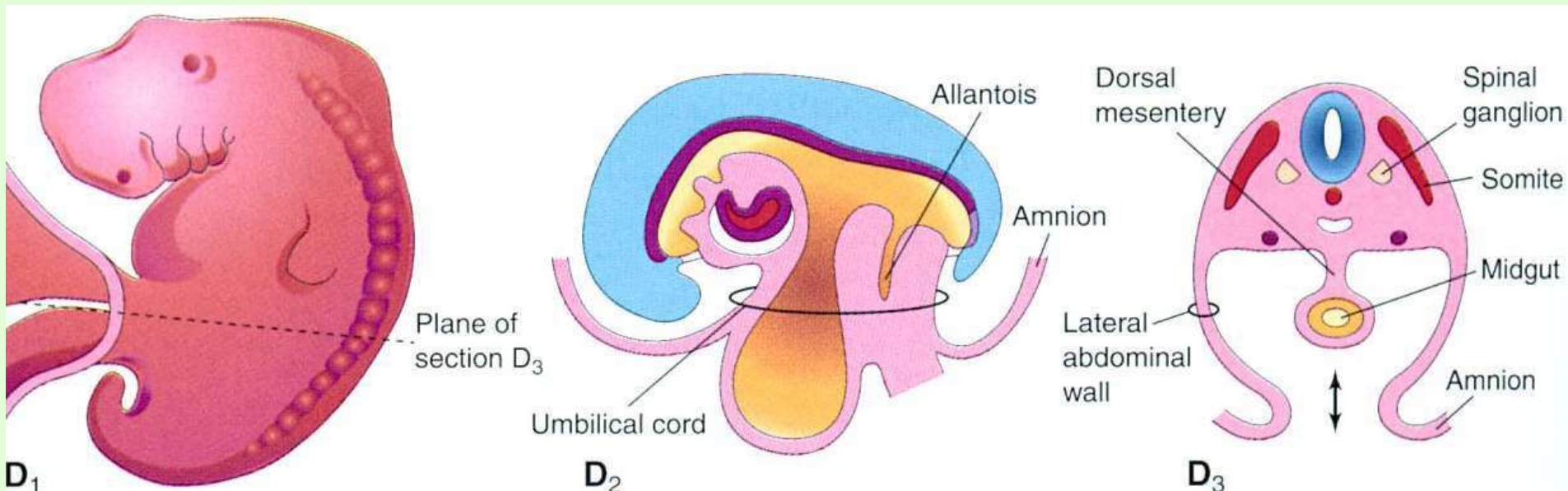


Differentiation of **endoderm**

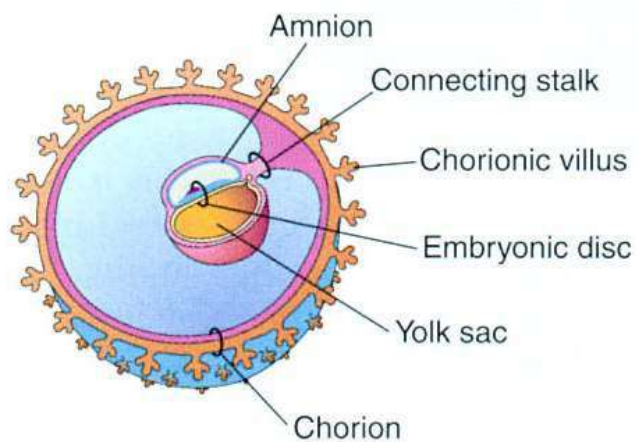
endoderm

primitive gut

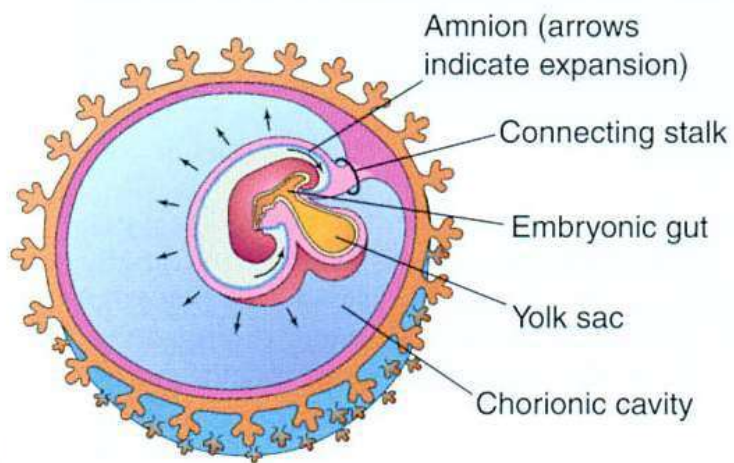
**primordium of digestive system
& respiratory system**



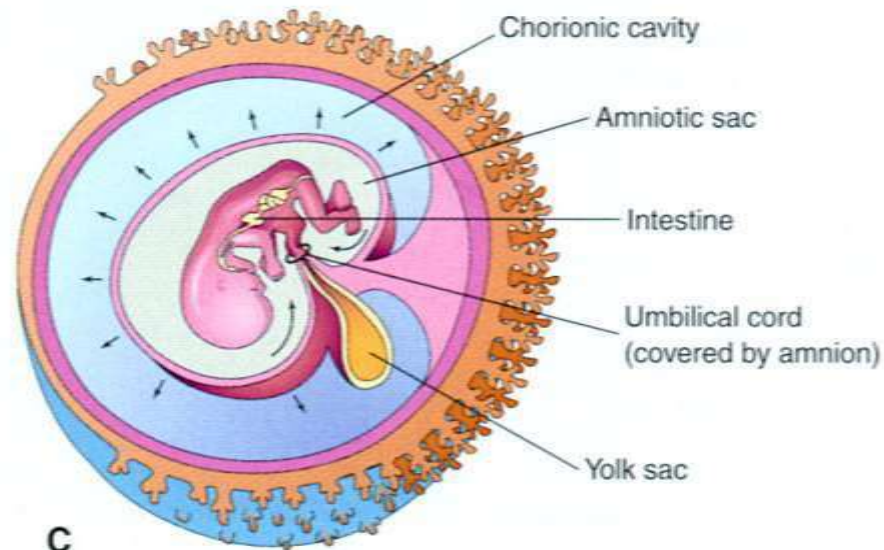
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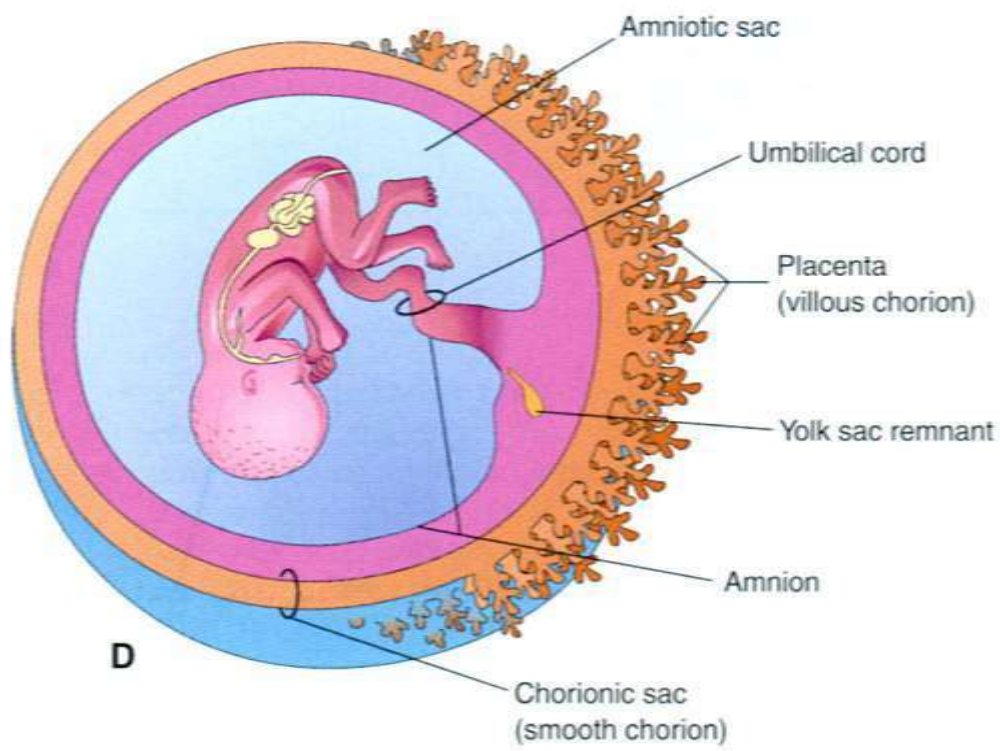
B



C



D



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