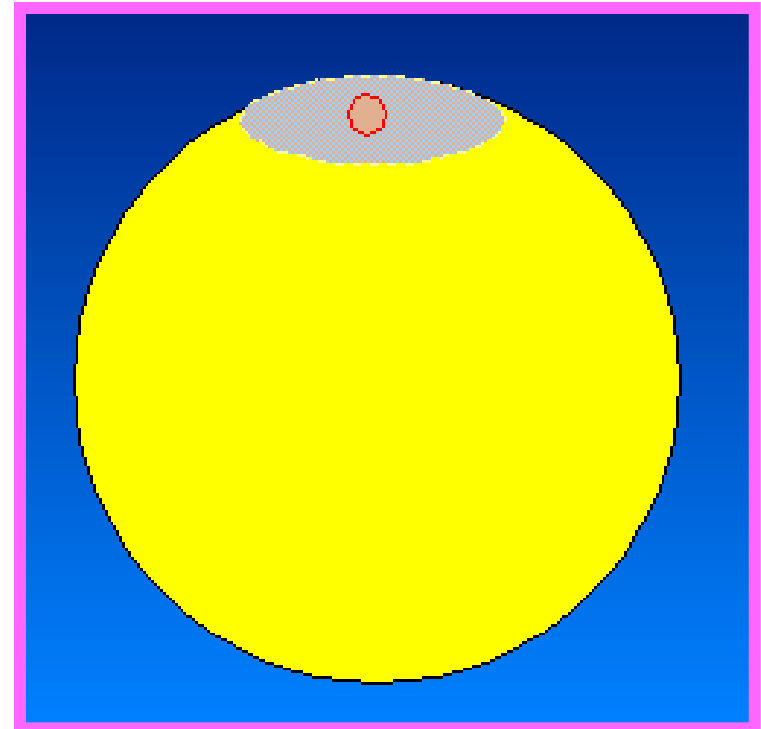
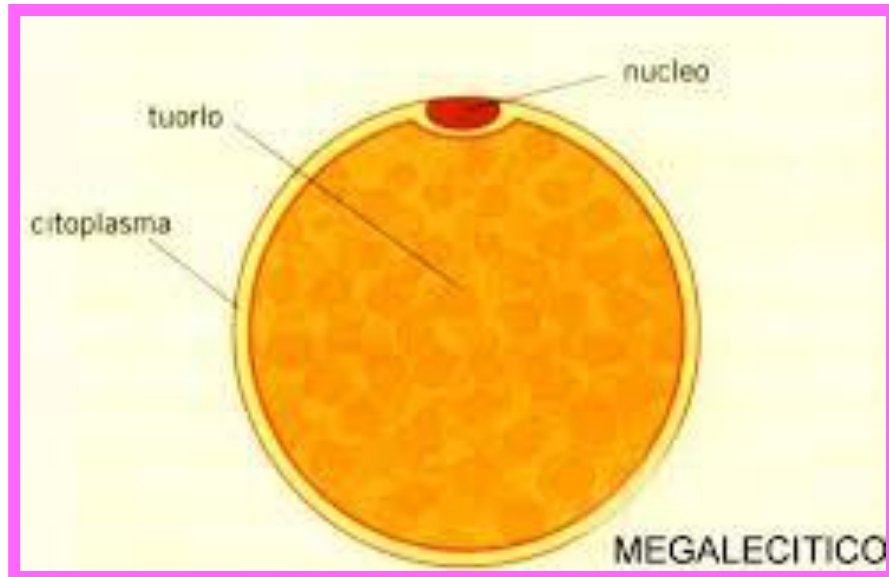
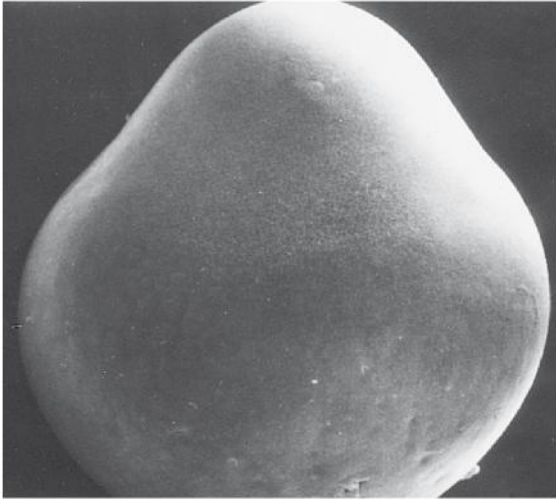


La segmentazione meroblastica

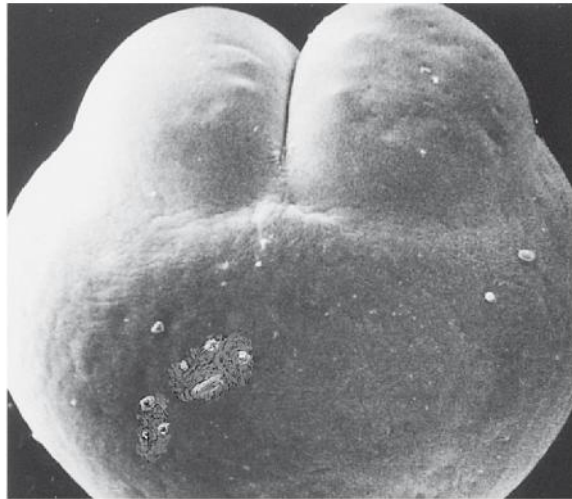


La segmentazione meroblastica discoidale: i pesci

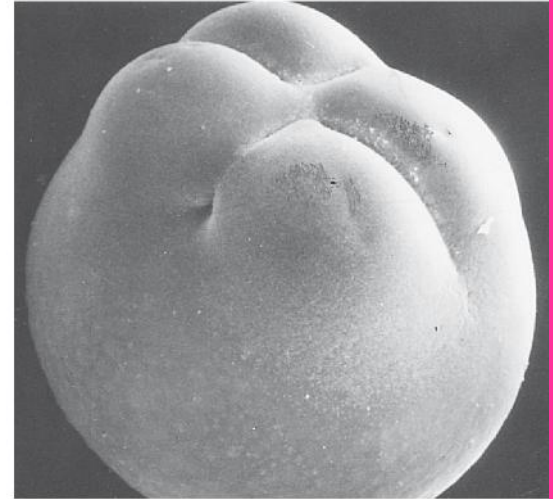
(A)



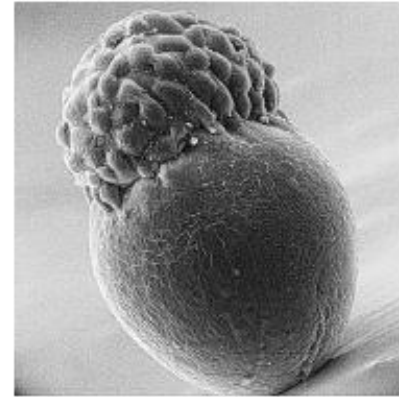
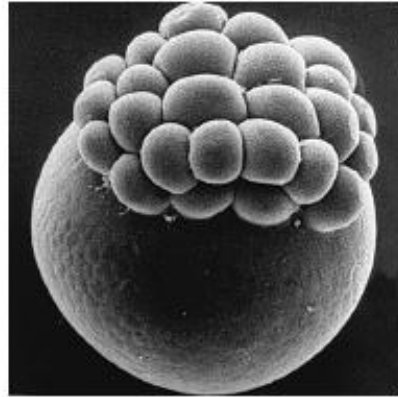
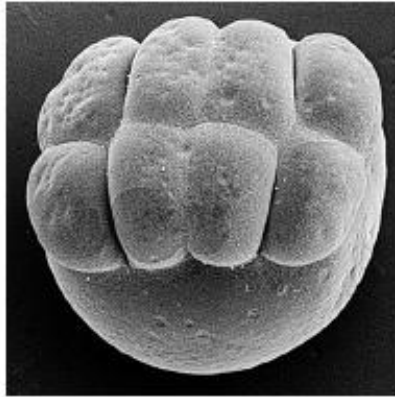
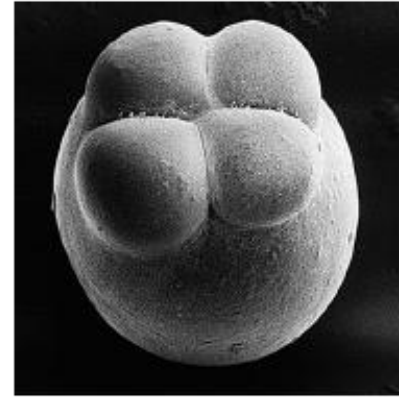
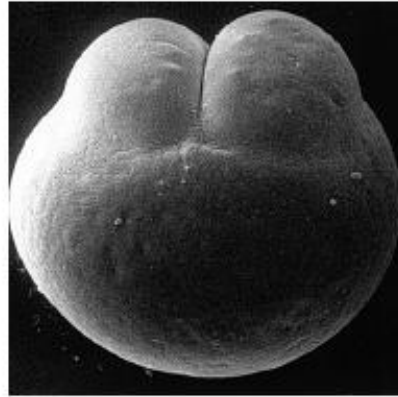
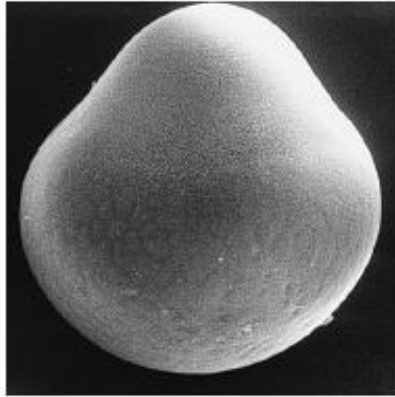
(B)

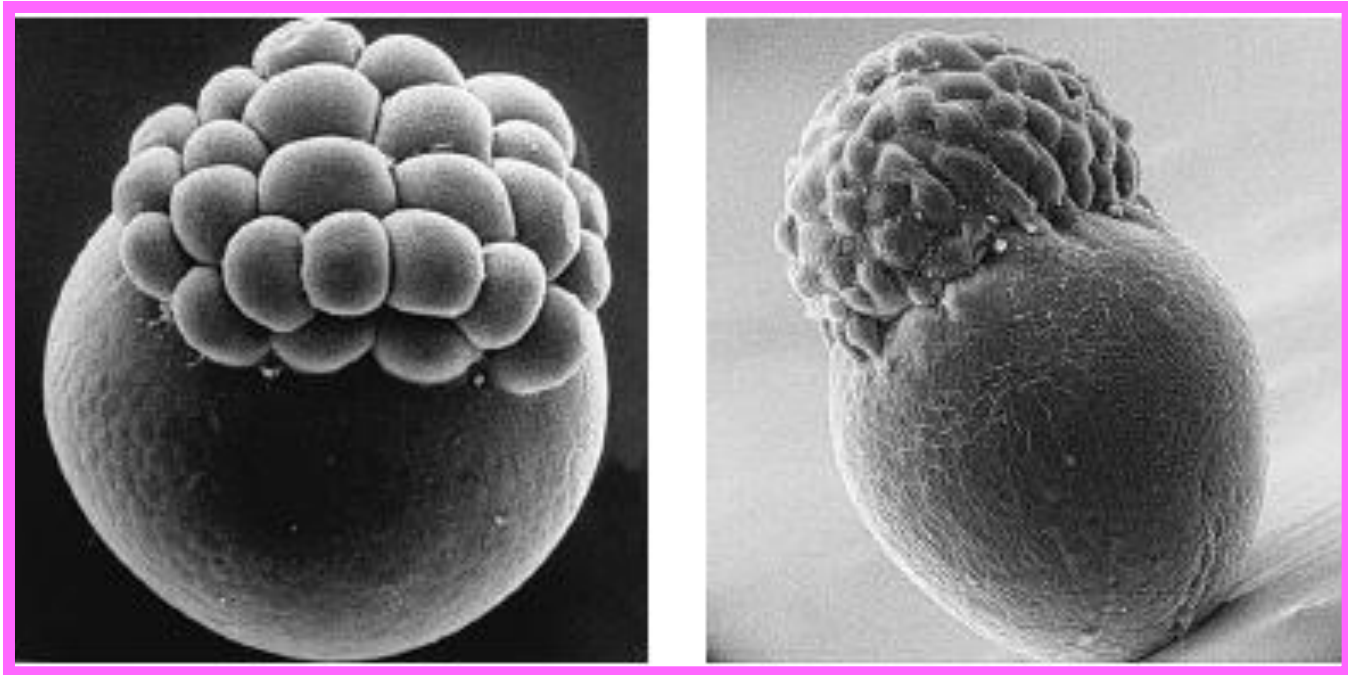


(C)



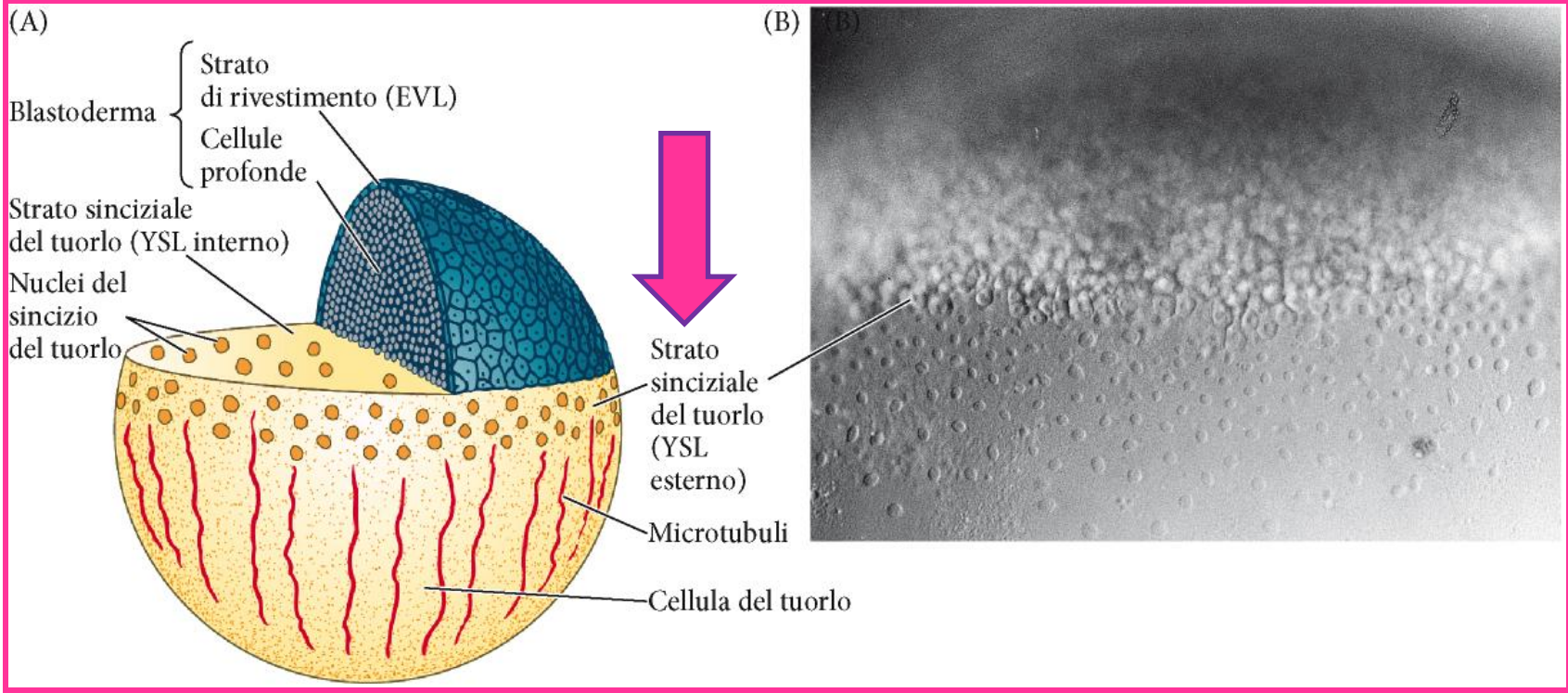
La segmentazione meroblastica discoidale: i pesci

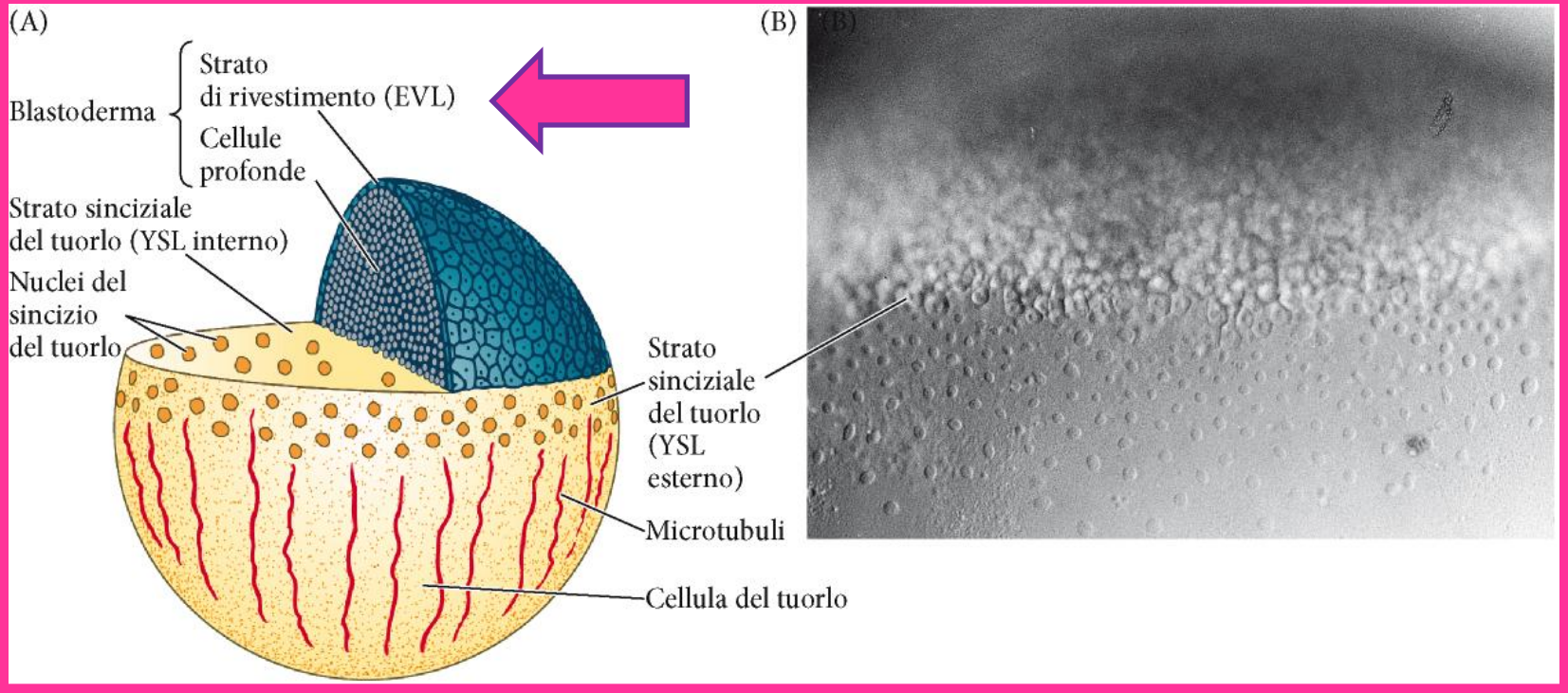


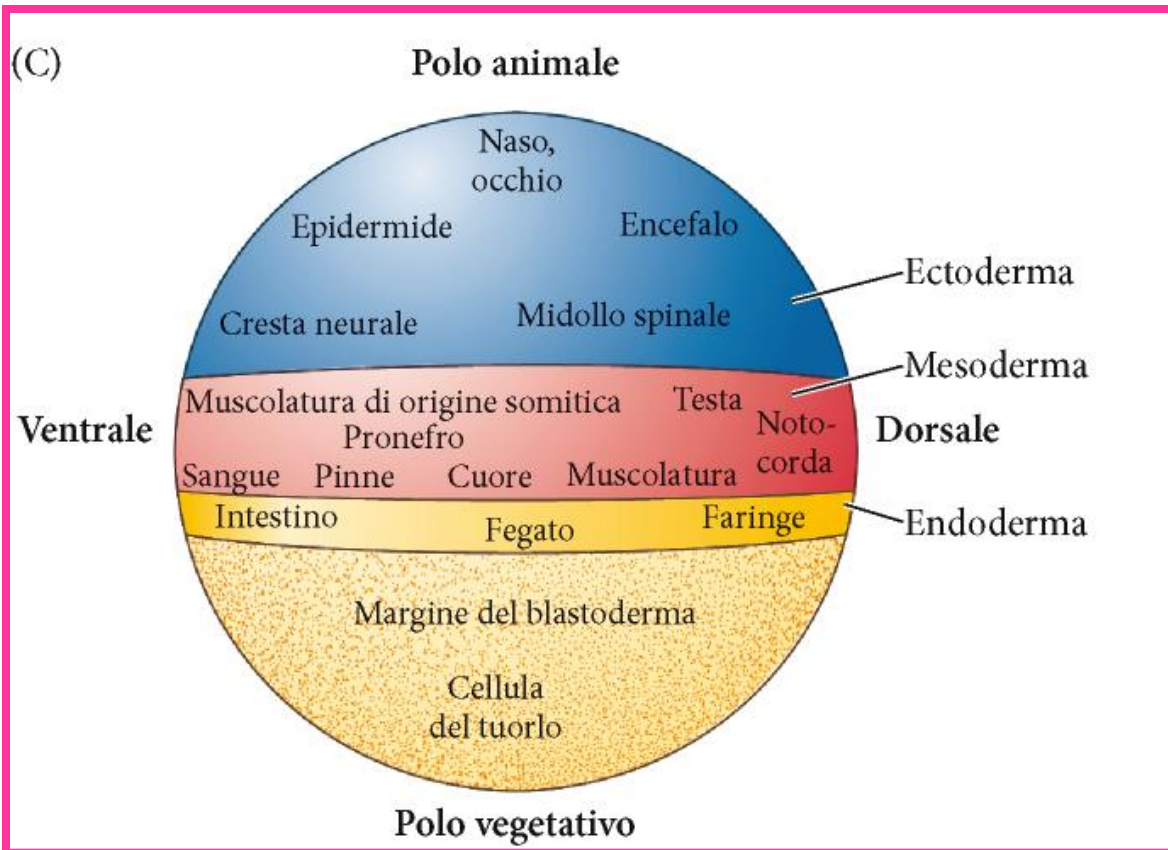


Two pink pushpins are positioned at the top corners of a pink-bordered box, appearing to hold the box in place. The box has rounded corners and a thick pink border.

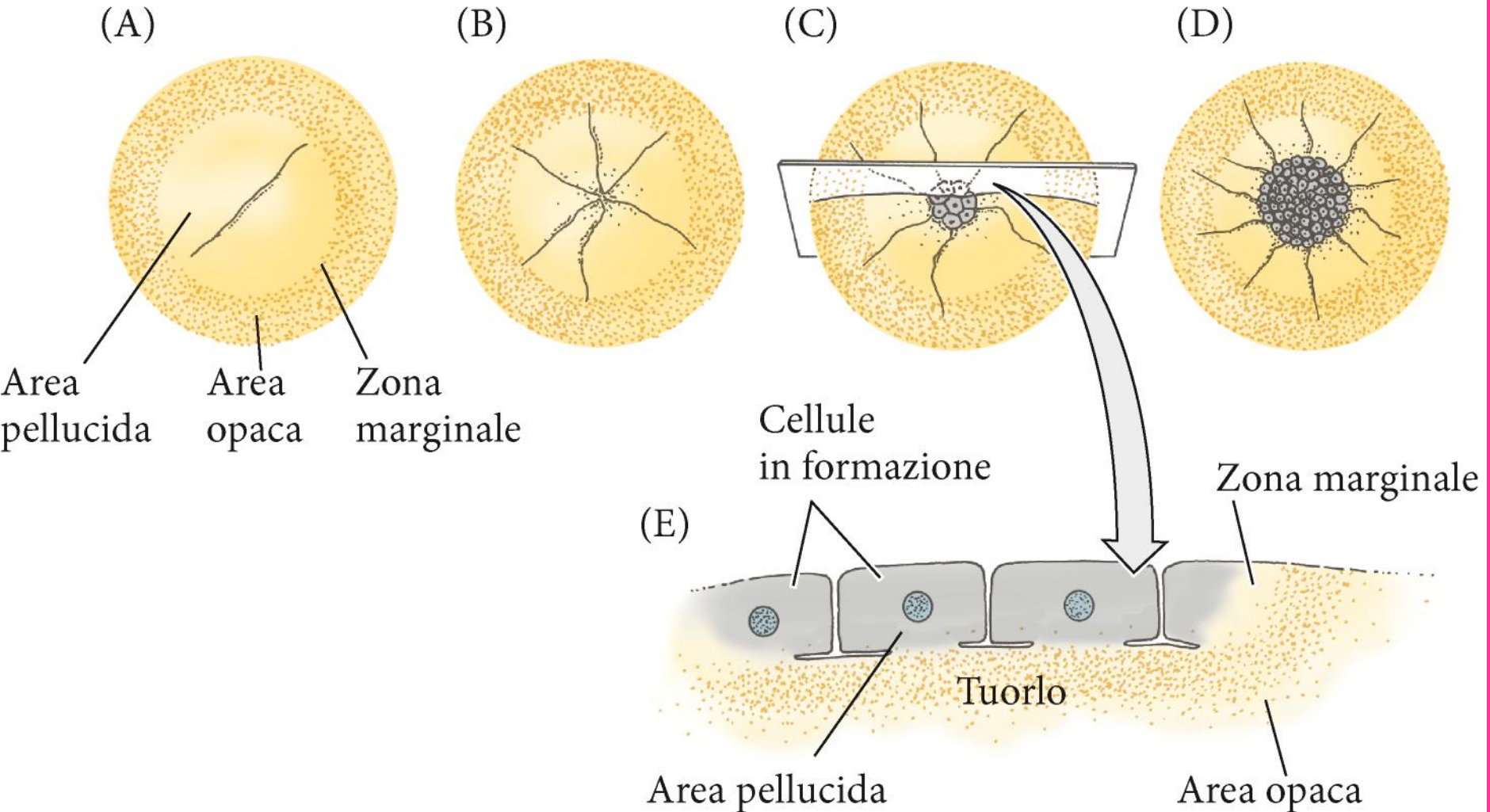
**TRANSIZIONE DI BLASTULA
INTERMEDIA**

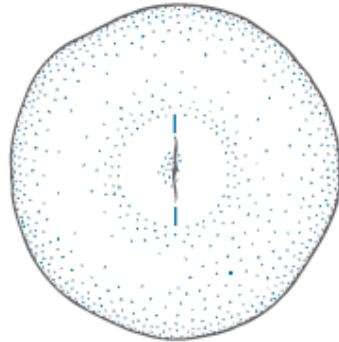




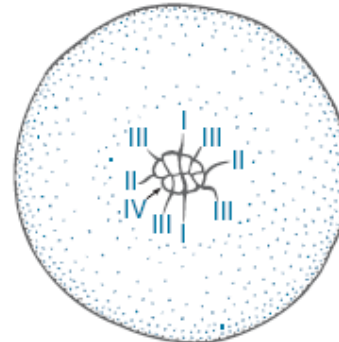


Segmentazione meroblastica discoidale: uccelli e rettili → sauropsidi

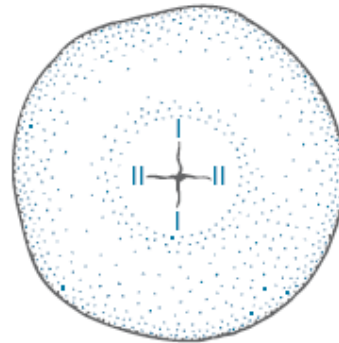




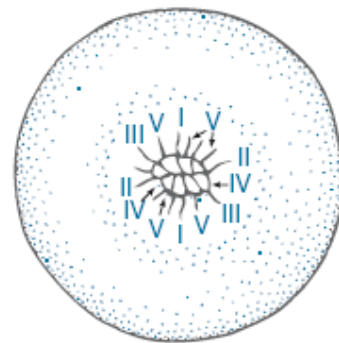
(a)



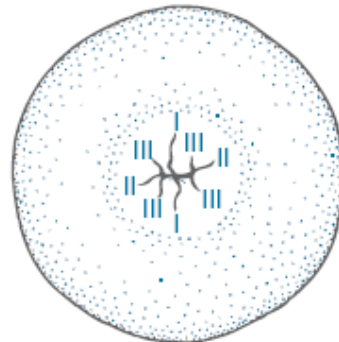
(d)



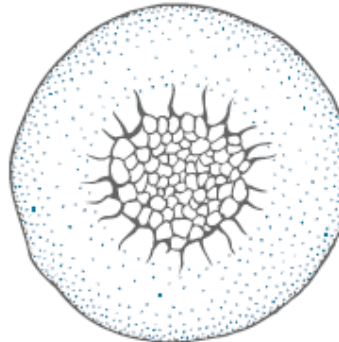
(b)



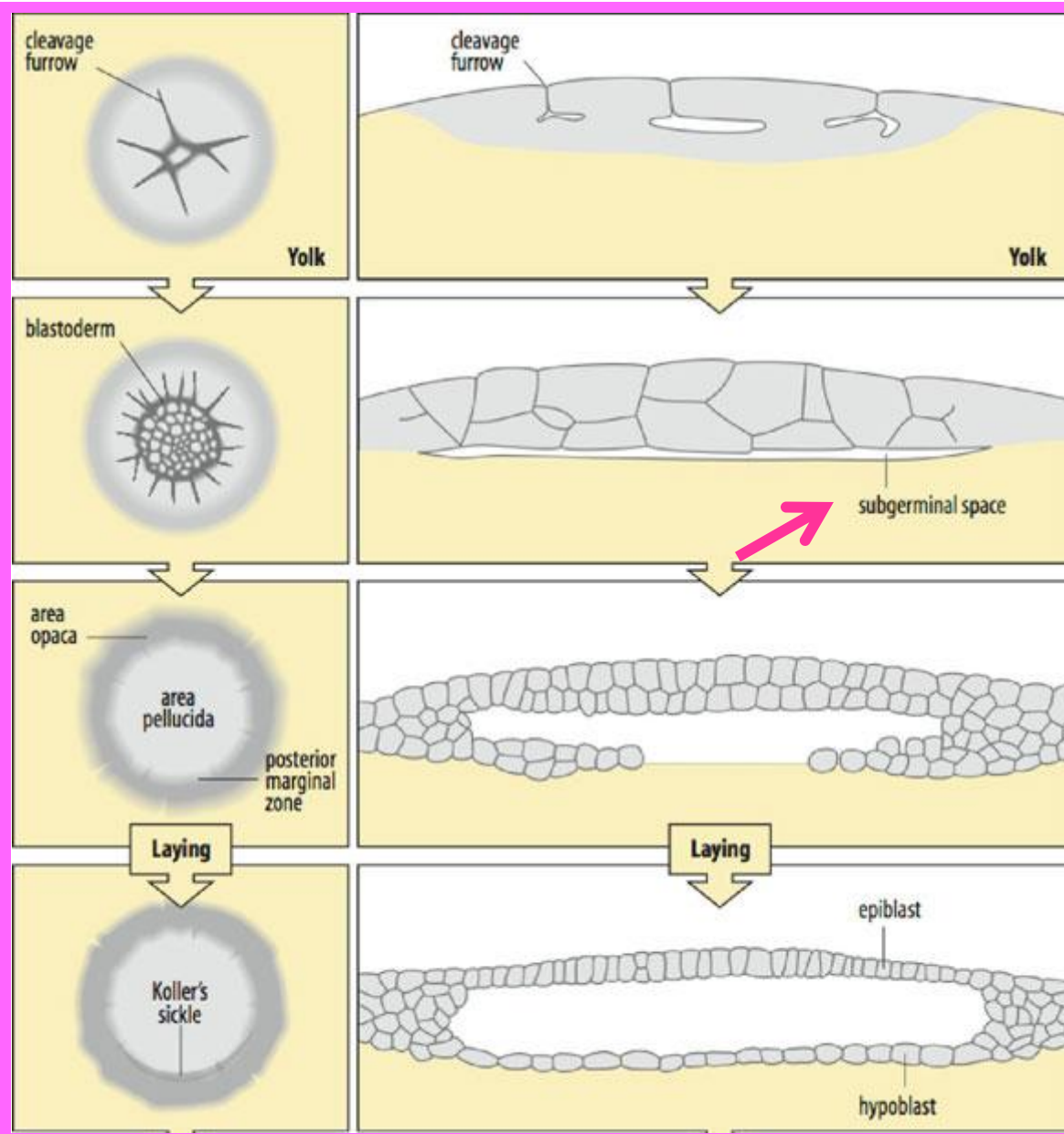
(e)

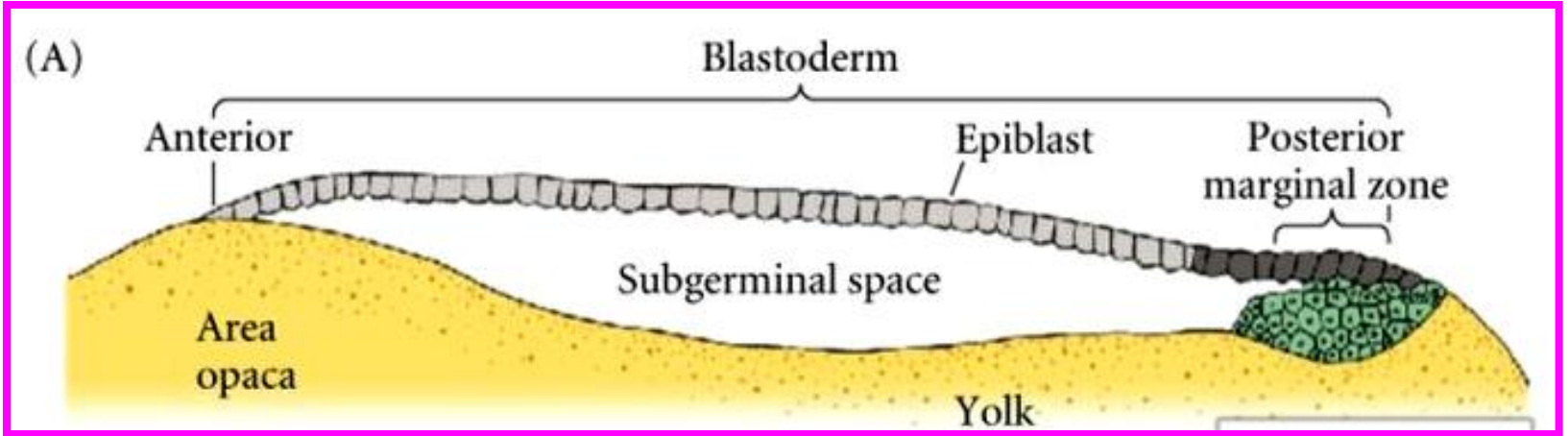
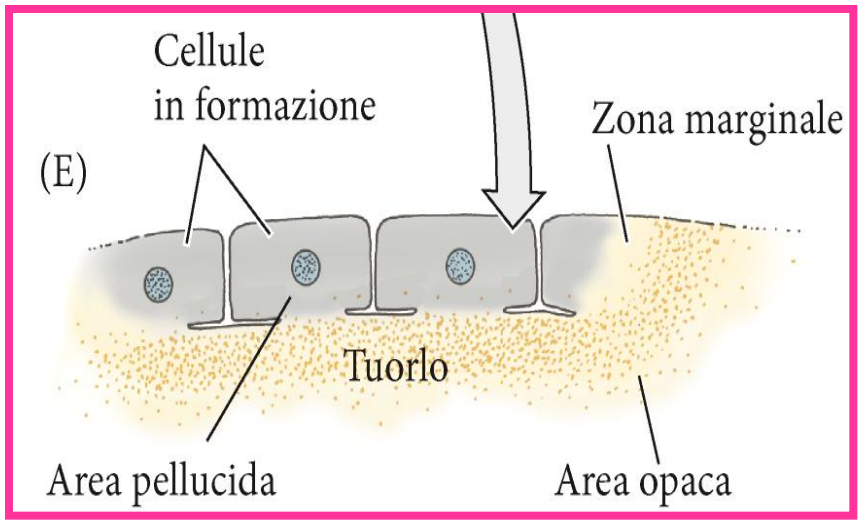


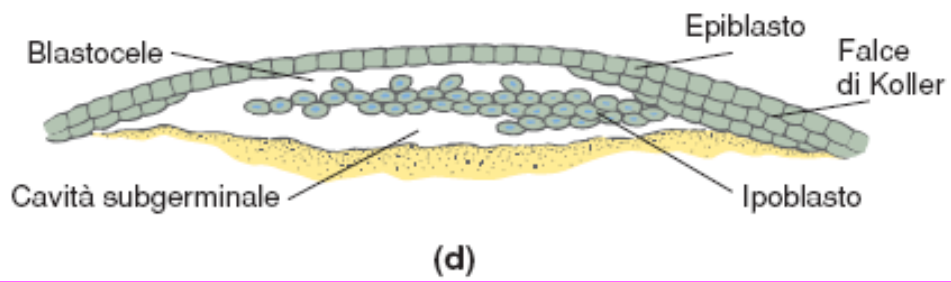
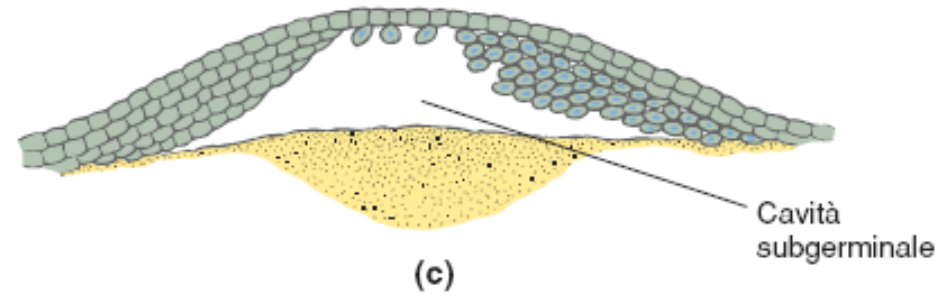
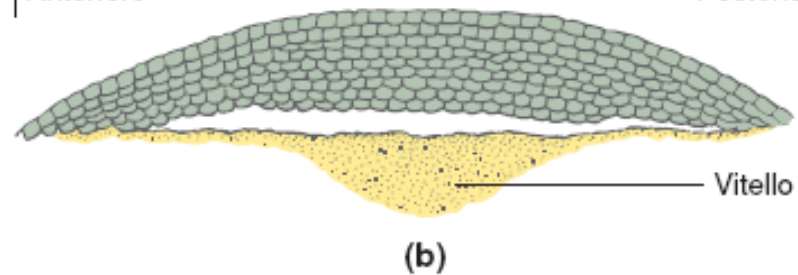
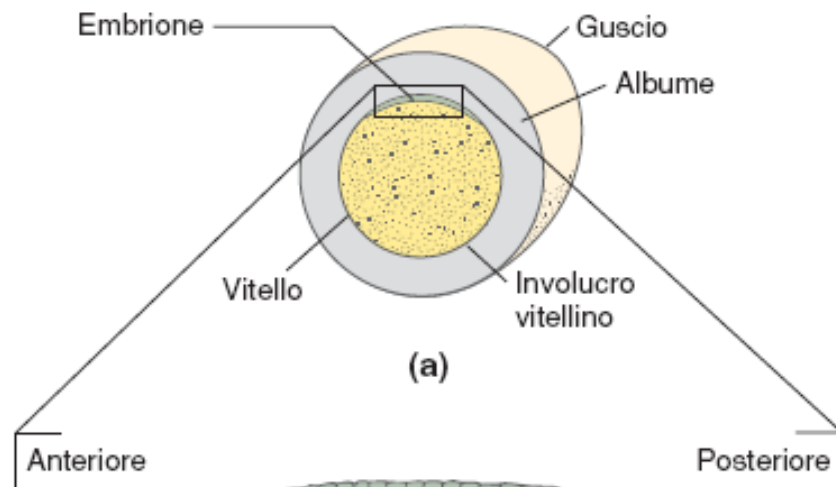
(c)



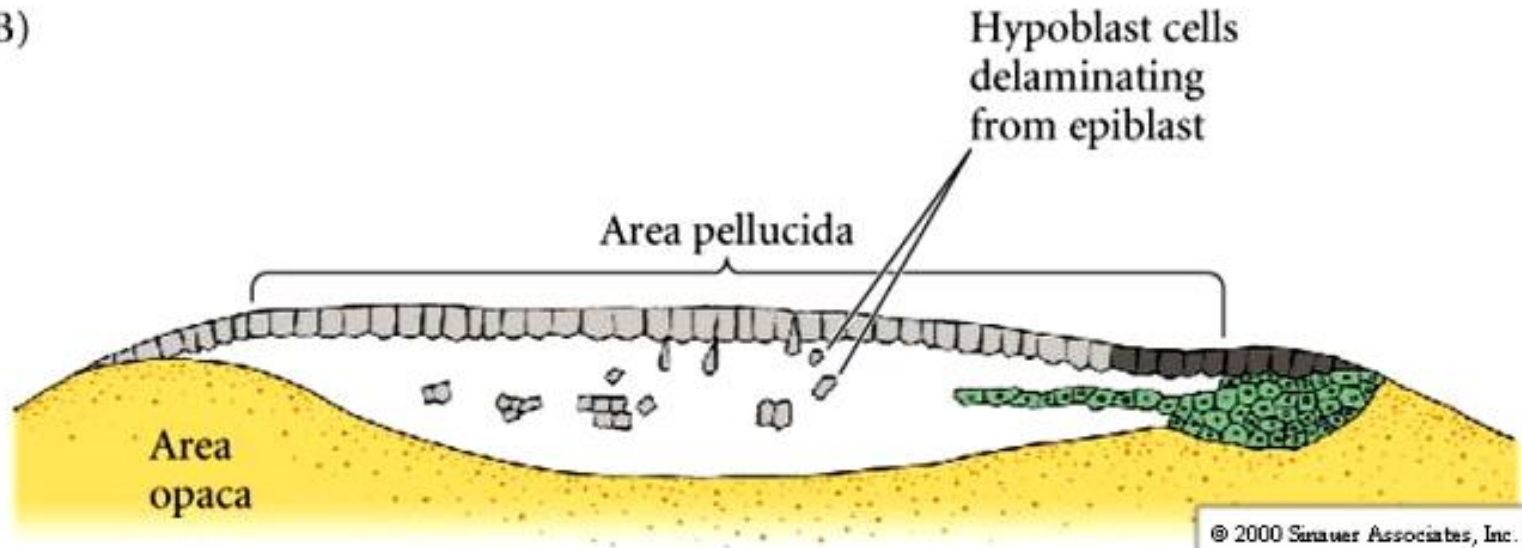
(f)



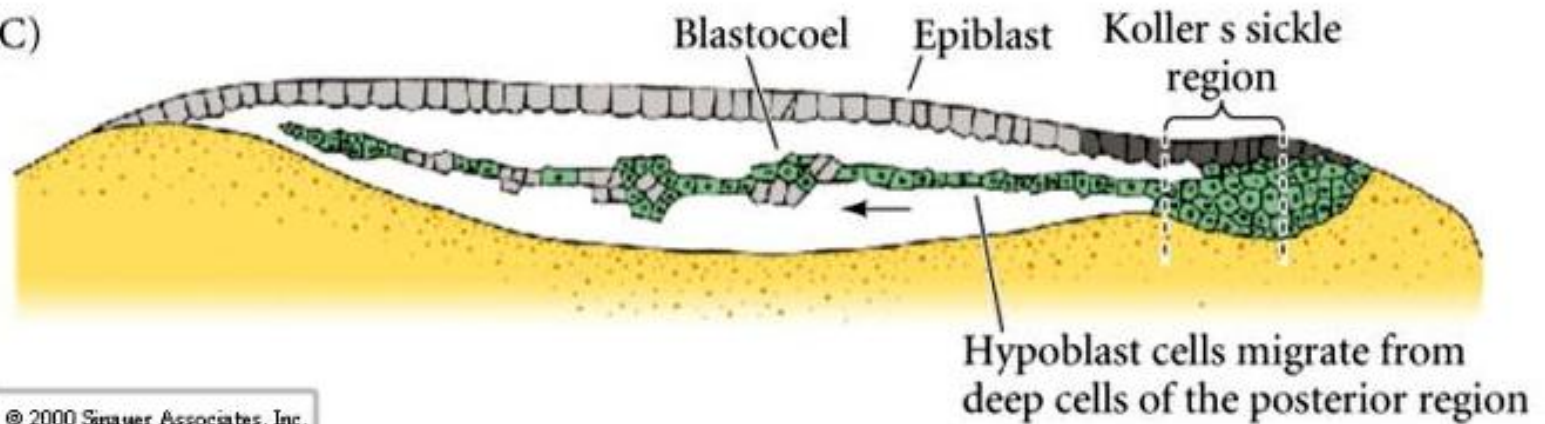


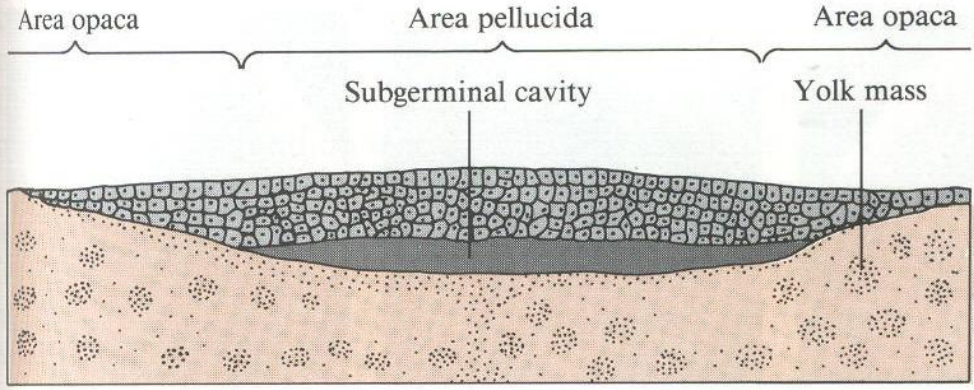


(B)

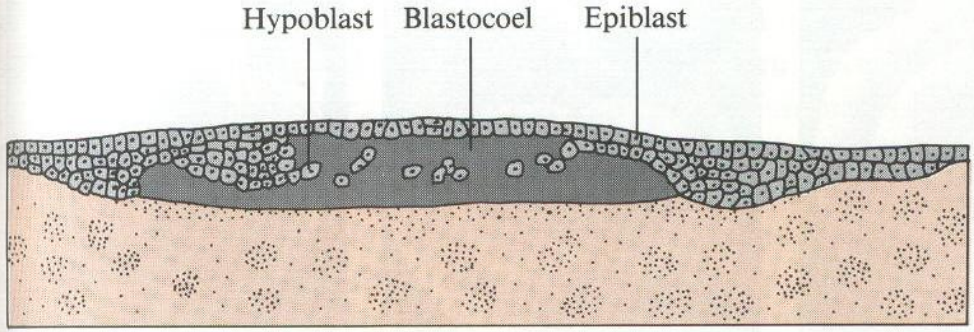


(C)

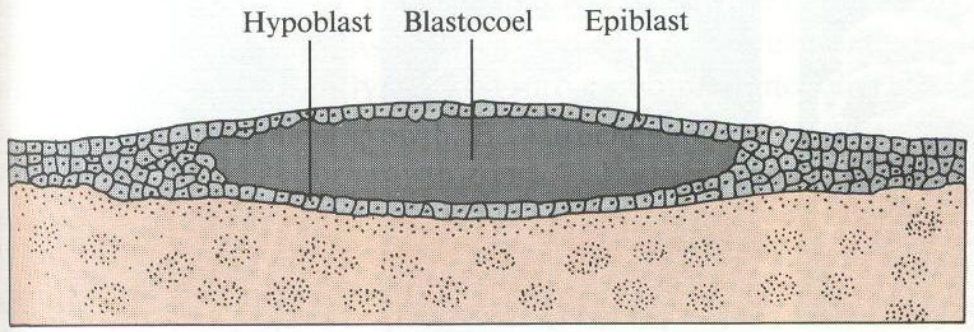




A

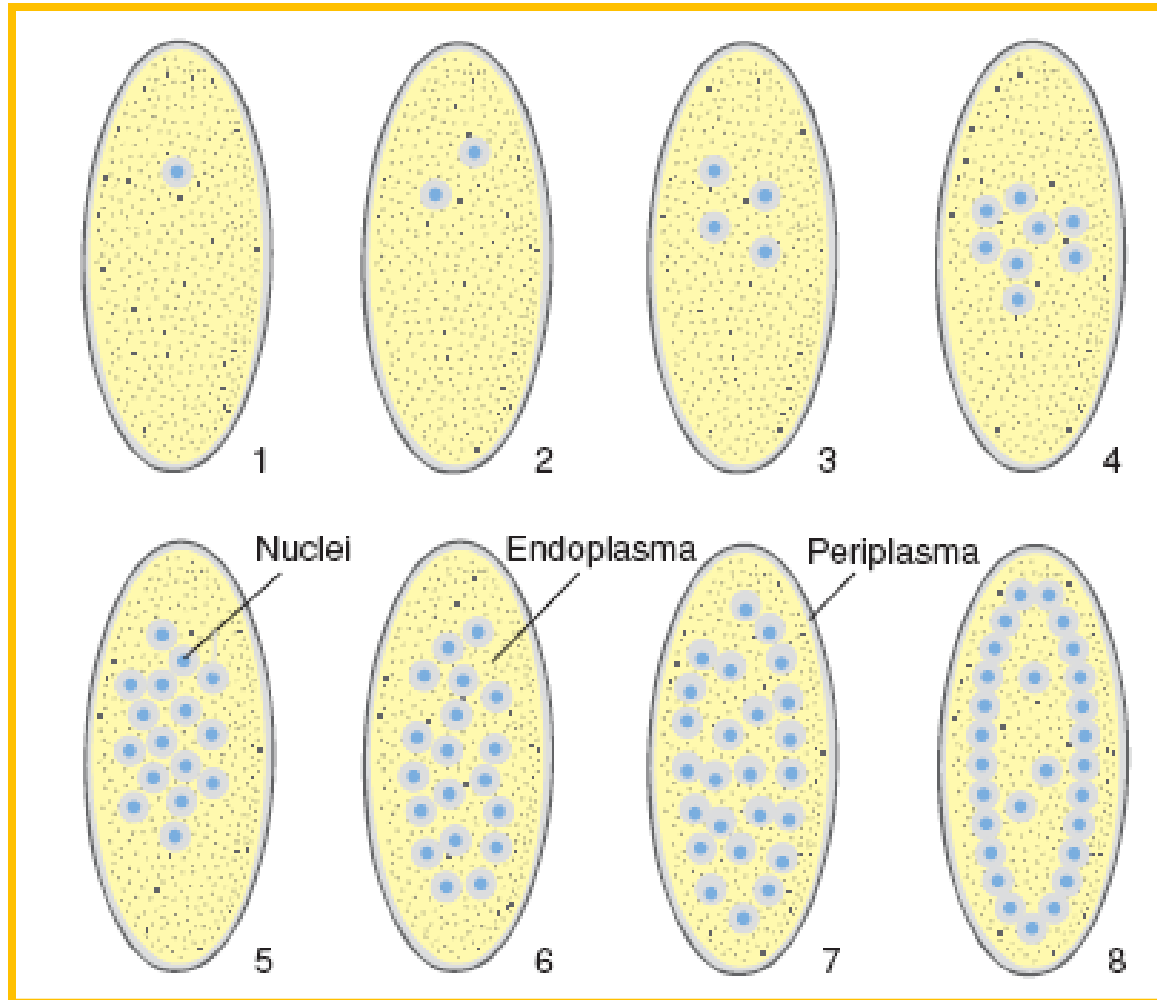


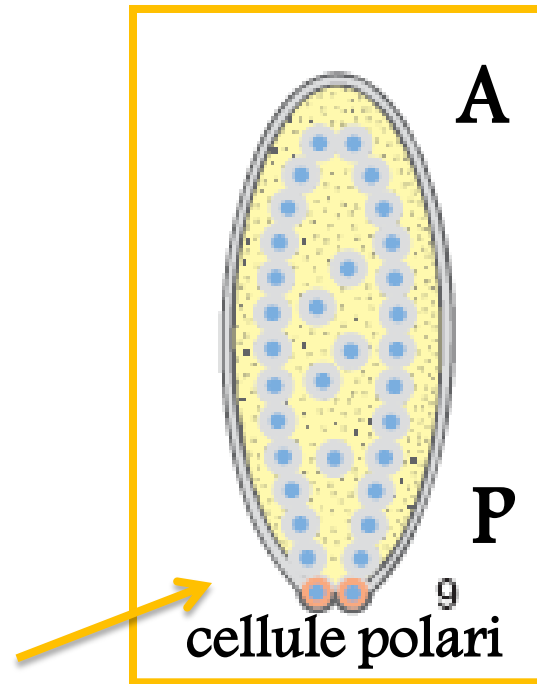
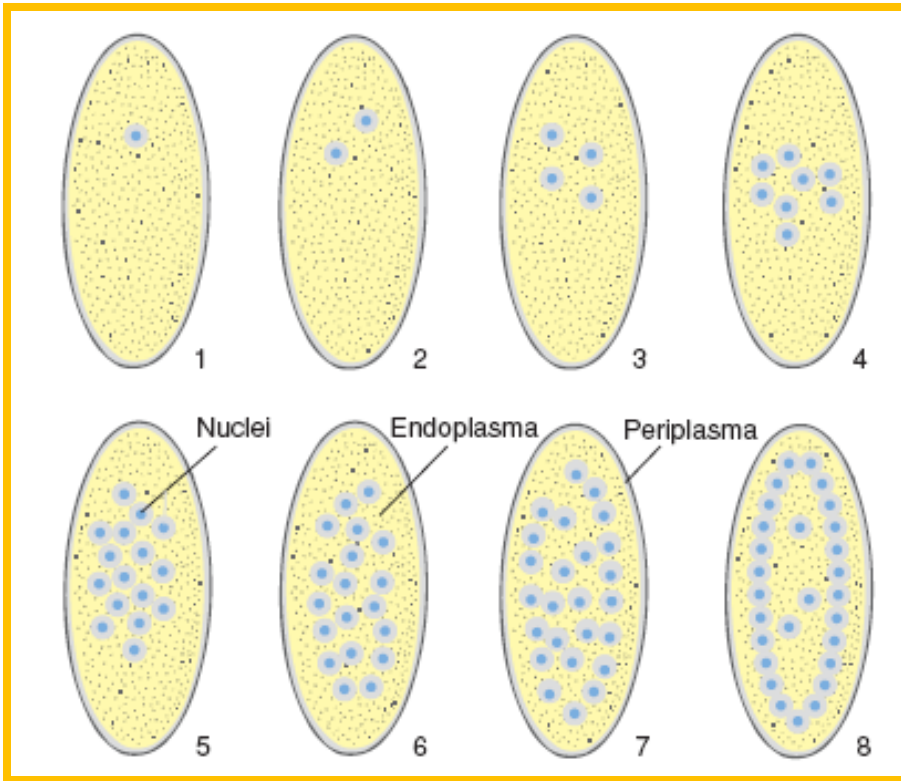
B

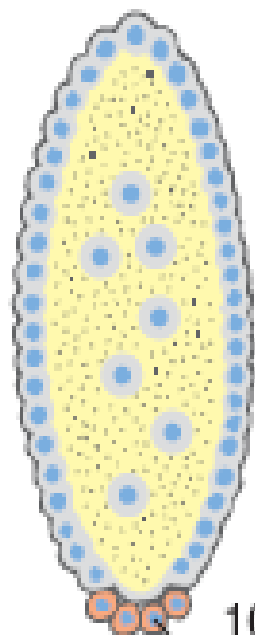


C

Segmentazione meroblastica superficiale

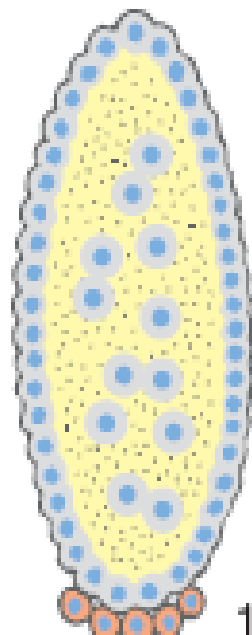




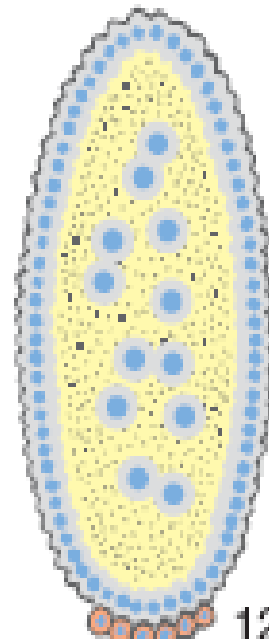


10

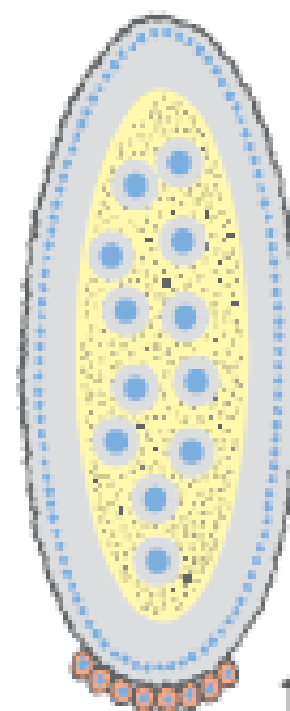
Cellule polari



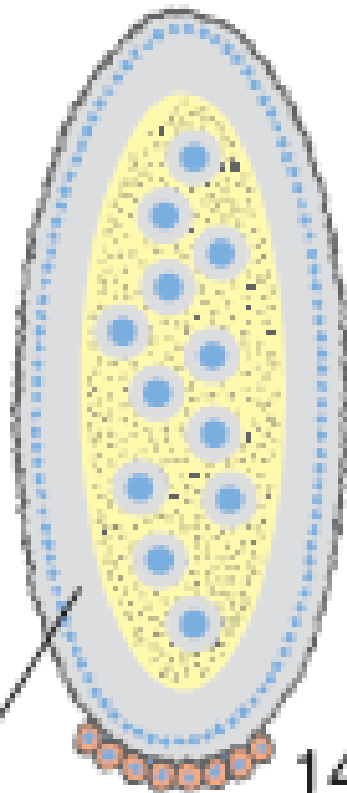
11



12

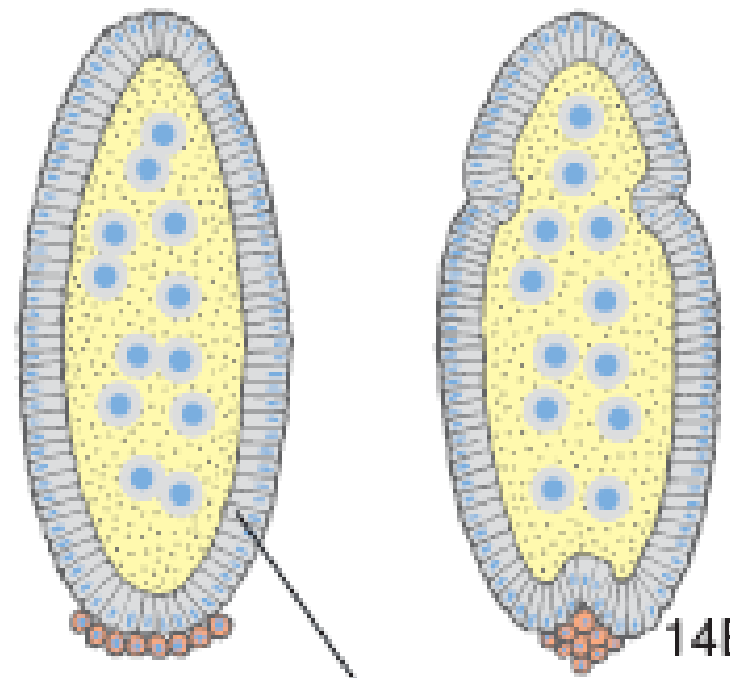


13



14A

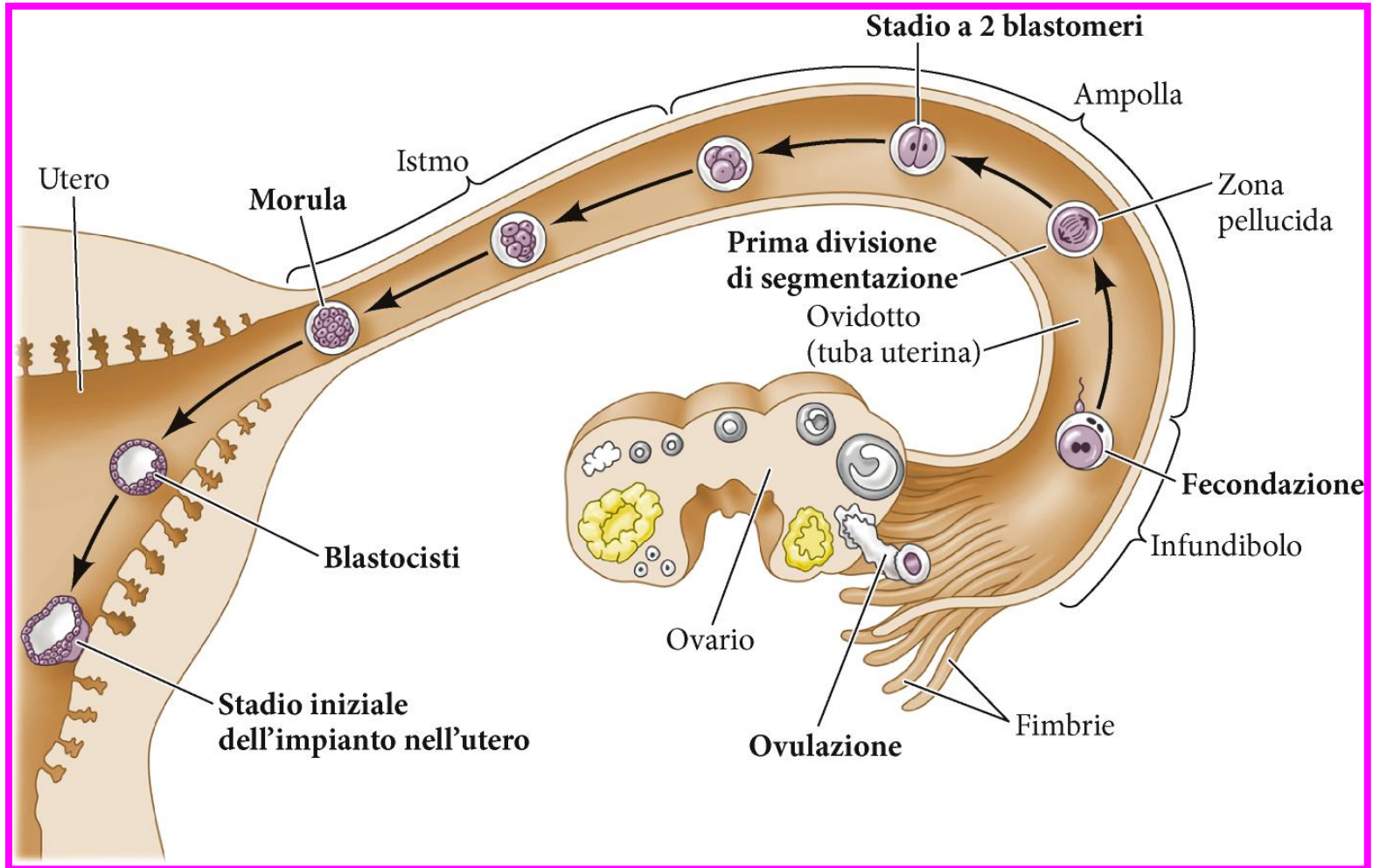
Blastoderma
sinciziale

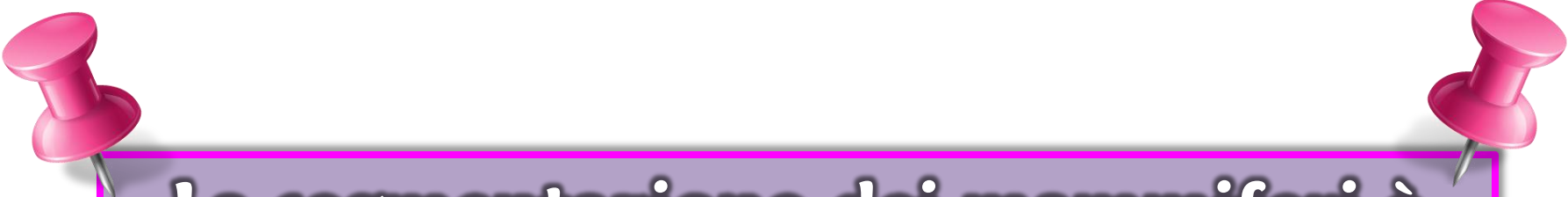


14B

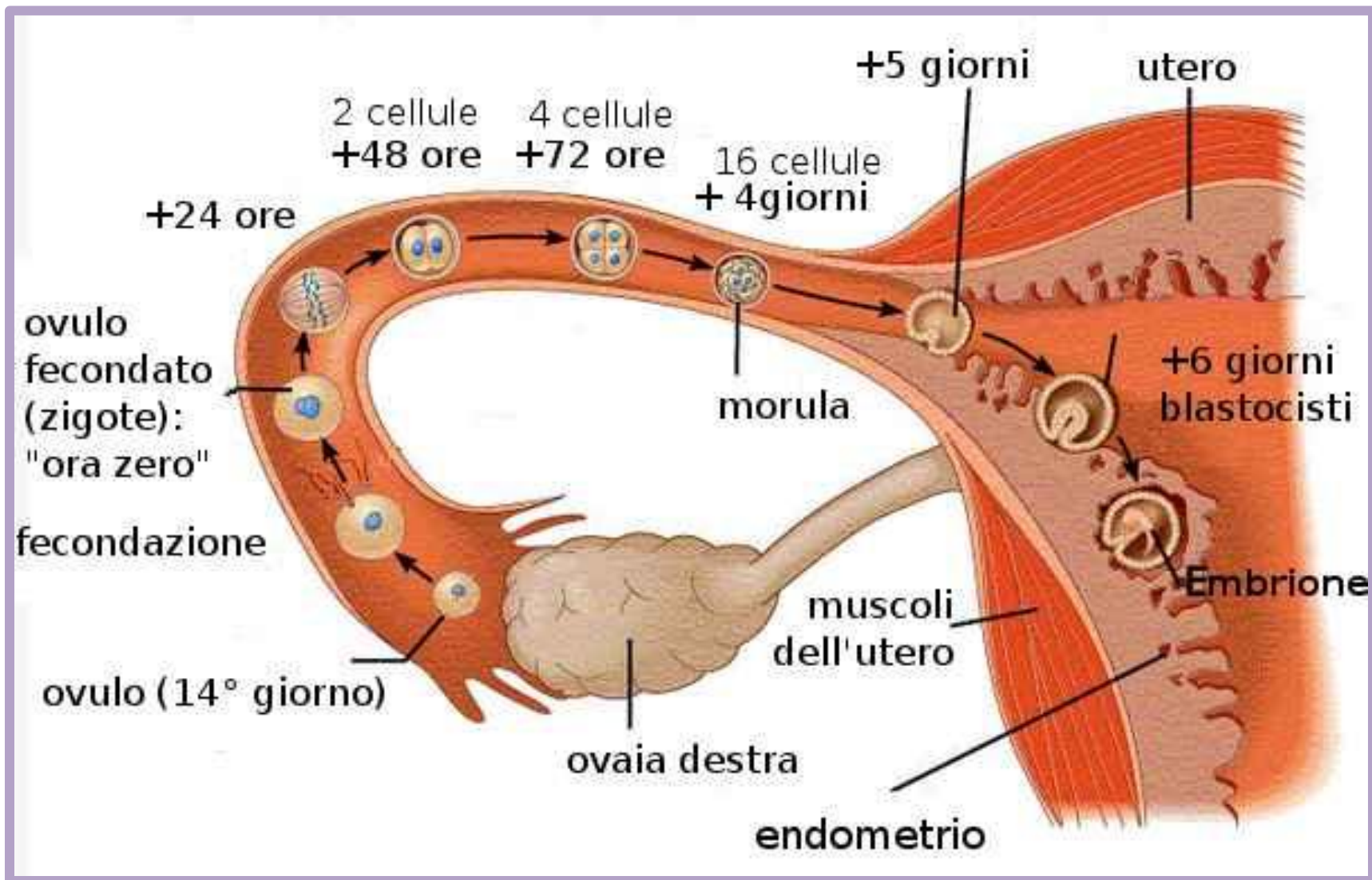
Blastoderma
cellulare

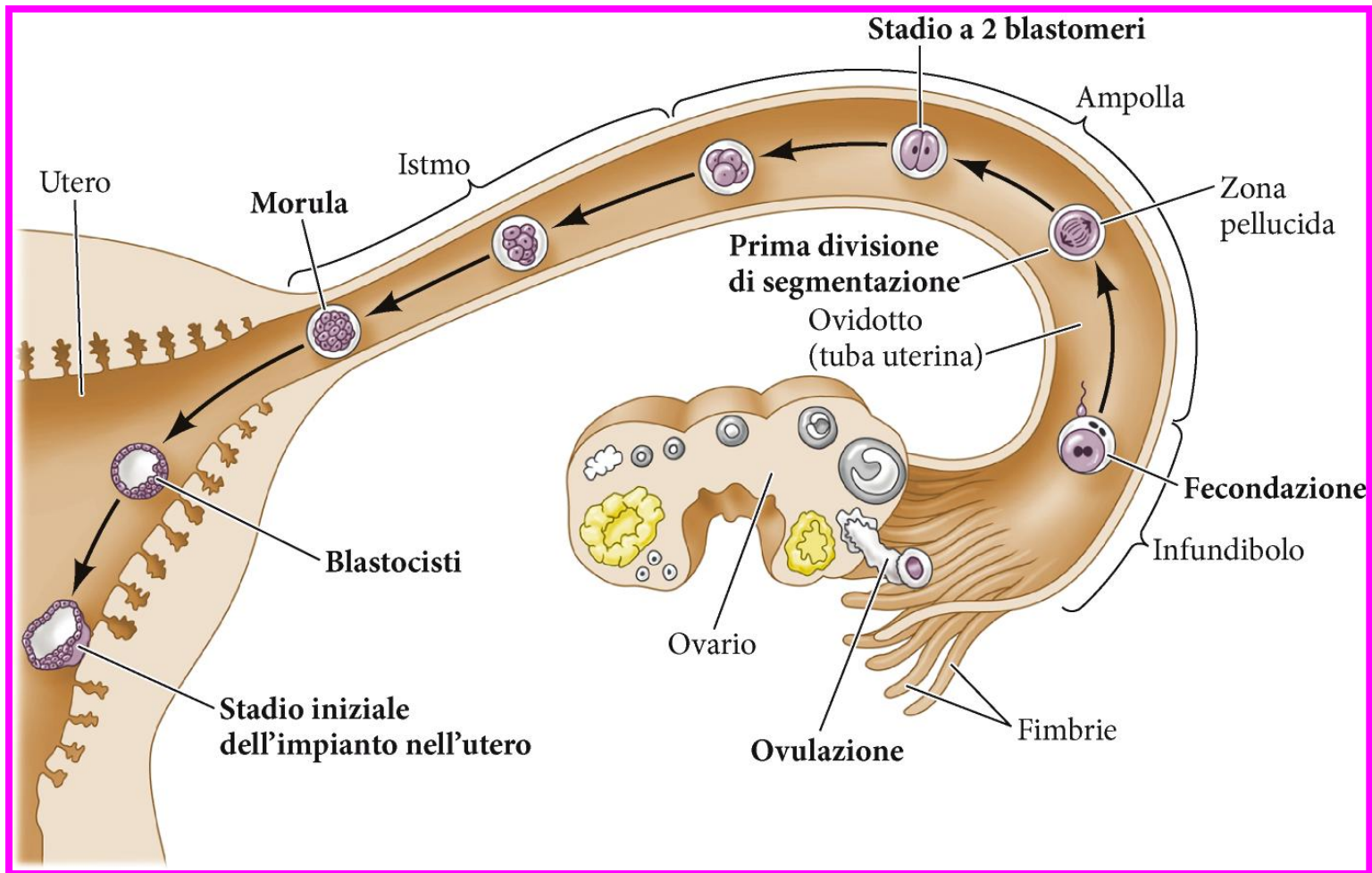
Segmentazione oloblastica rotazionale: mammiferi



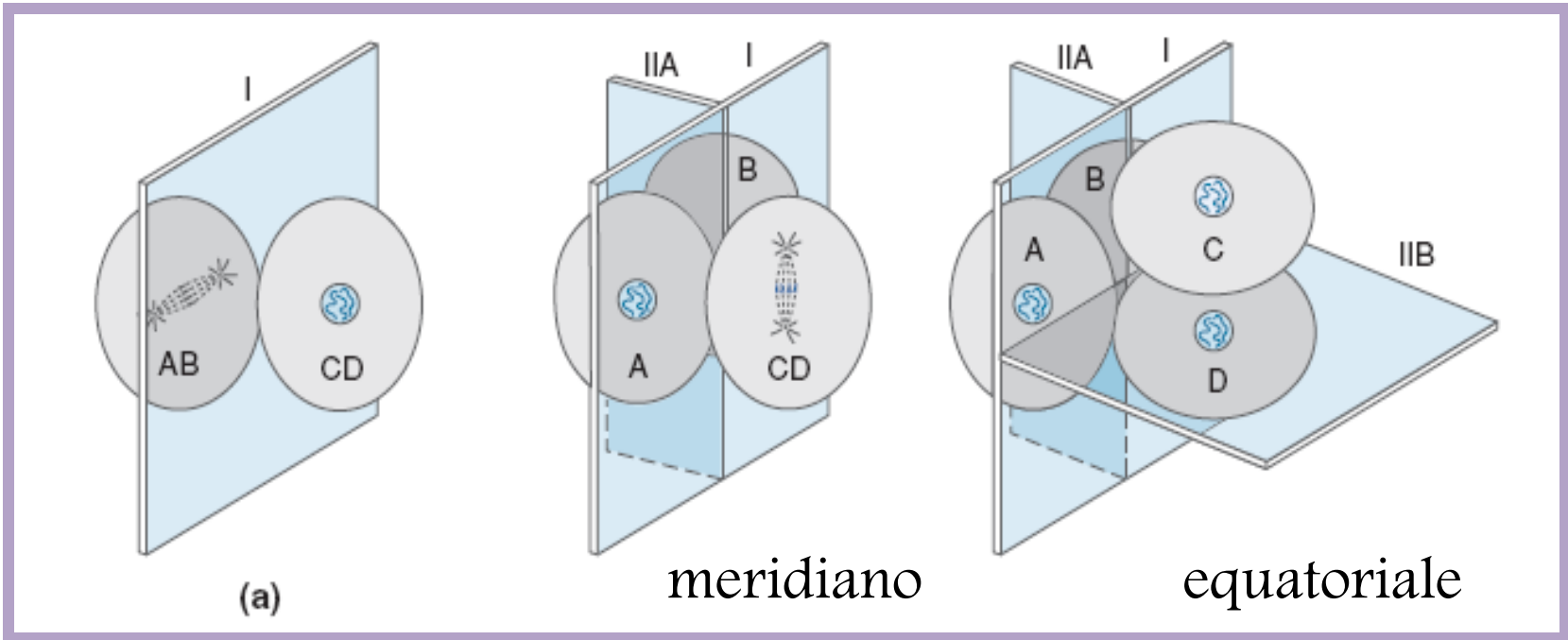


La segmentazione dei mammiferi è sorprendentemente diversa dalla maggior parte degli altri tipi di divisione cellulare...





Le prime divisioni avvengono mentre l'embrione viaggia verso l'utero.

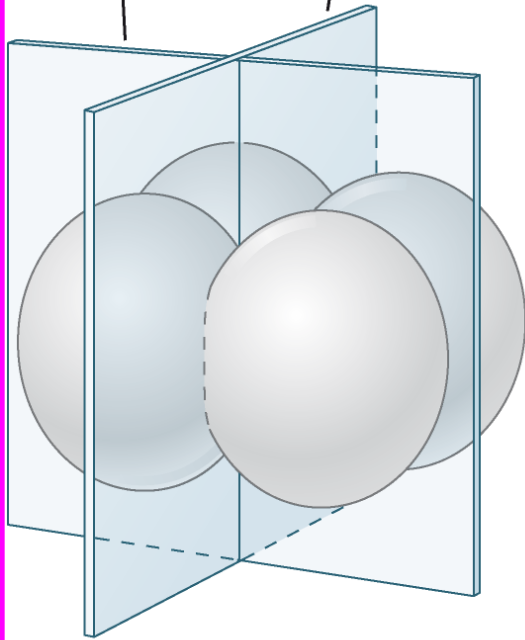


La natura UNICA della segmentazione dei mammiferi

(A) Echinodermi e anfi

Piano di segmentazione II

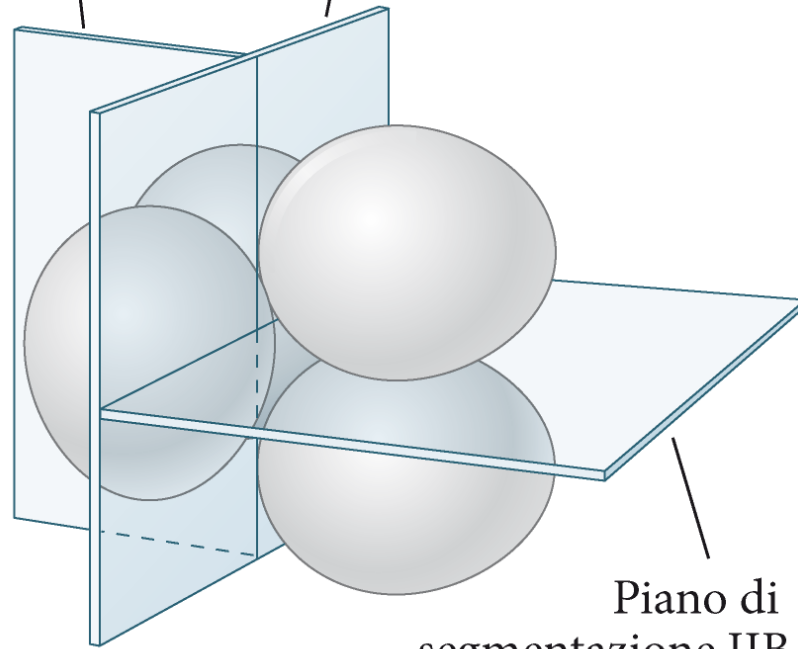
Piano di segmentazione I



(B) Mammiferi

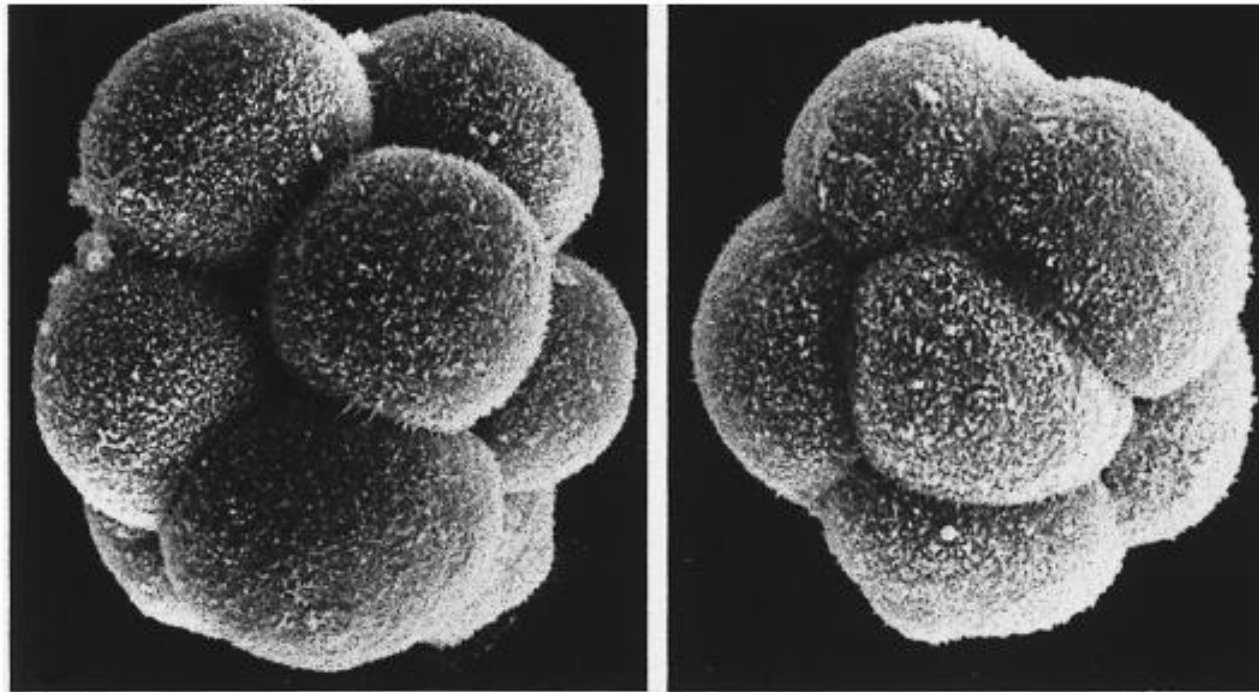
Piano di segmentazione IIA

Piano di segmentazione I



Piano di segmentazione IIB

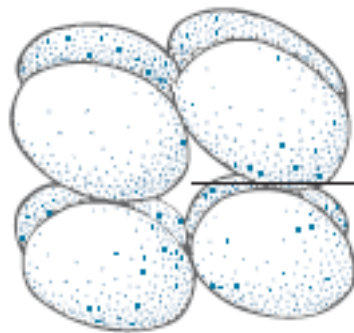
La compattazione



(a)

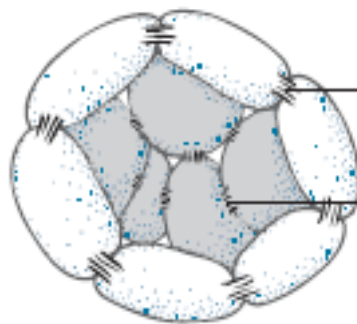
(b)

Figura 5.11 Fotografia al microscopio elettronico a scansione di embrione di topo allo stadio di 8 blastomeri. **(a)** Prima della compattazione. **(b)** Dopo la compattazione. La superficie dei blastomeri è caratterizzata dalla presenza di numerosi microvilli.



Spazio intercellulare

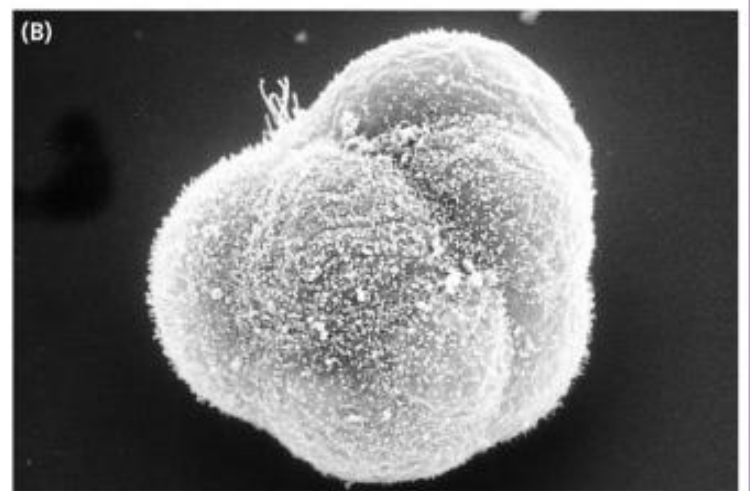
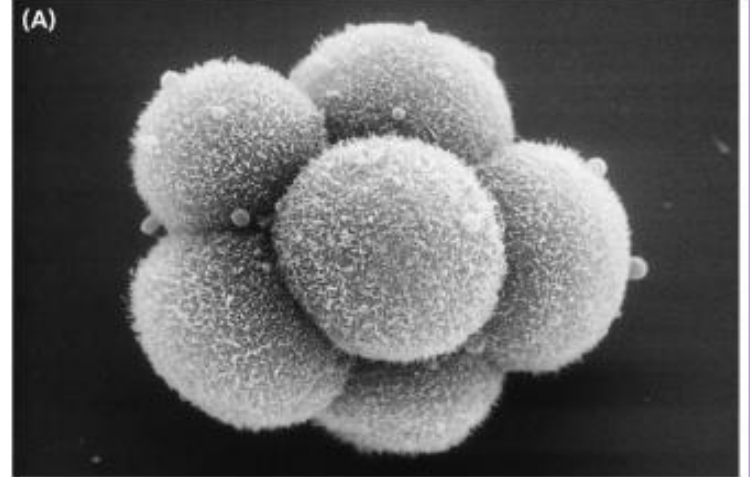
(a) Stadio a 8 blastomeri

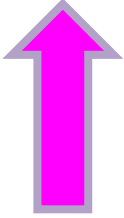
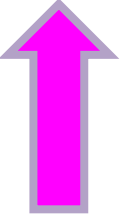
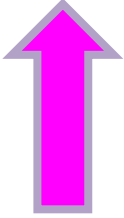
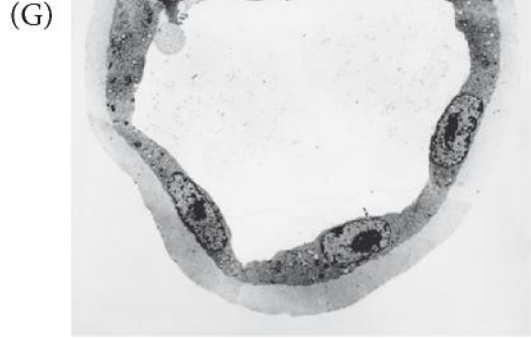
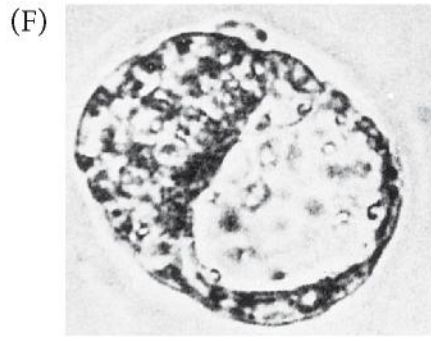
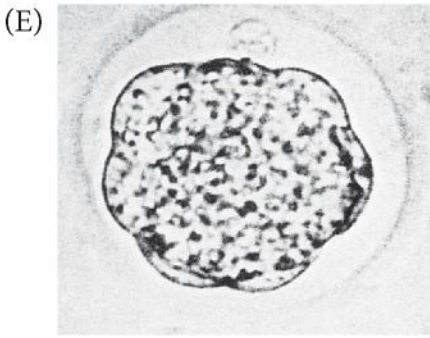
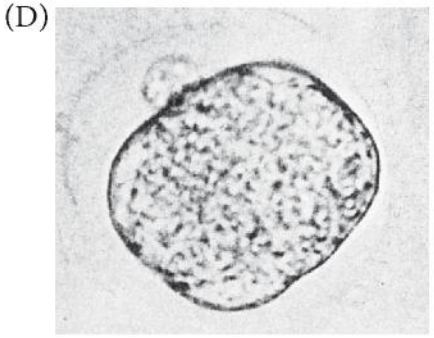
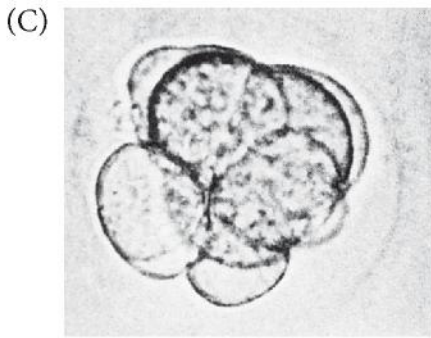
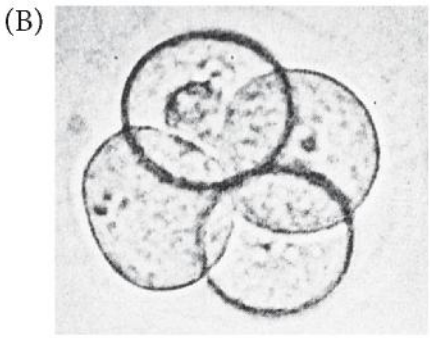
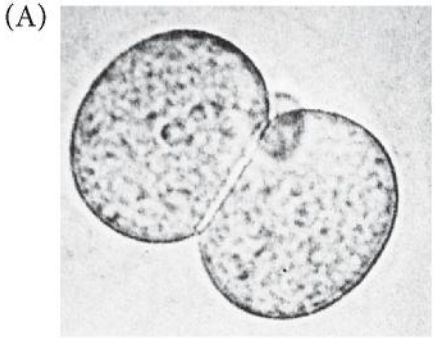


Giunzione stretta

Giunzione serrata

(b) Stadio a 16 blastomeri

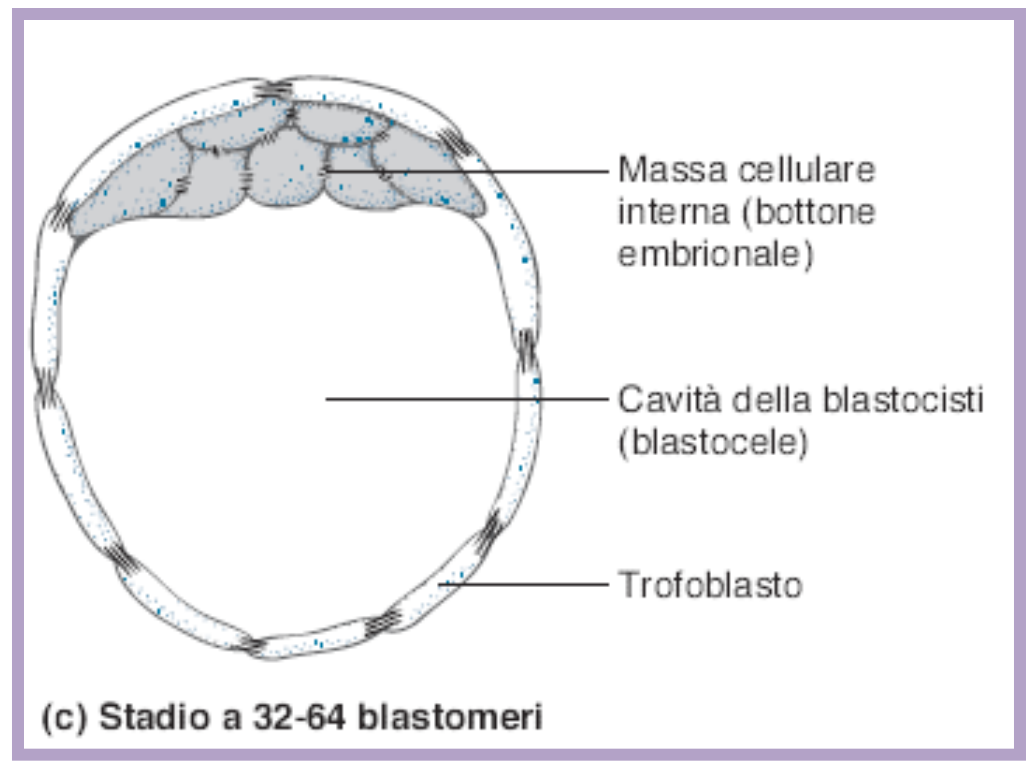
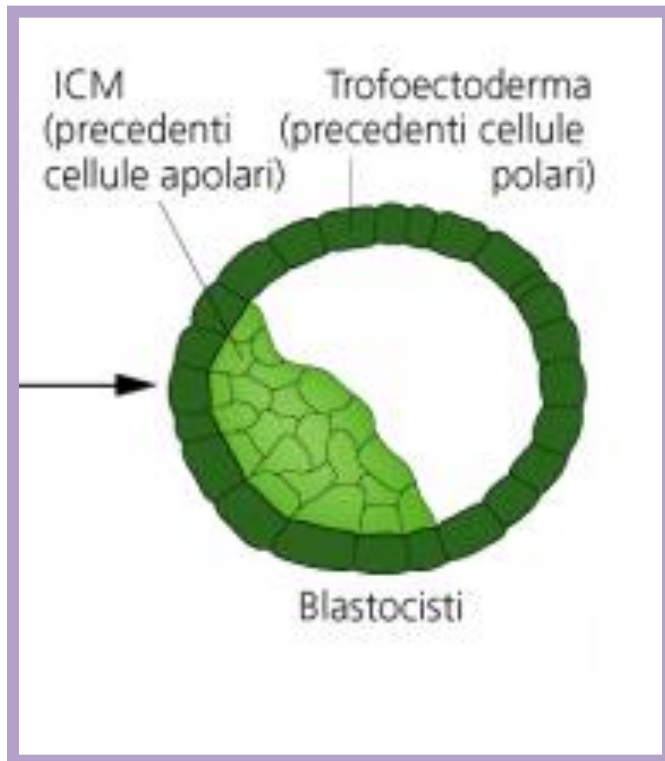




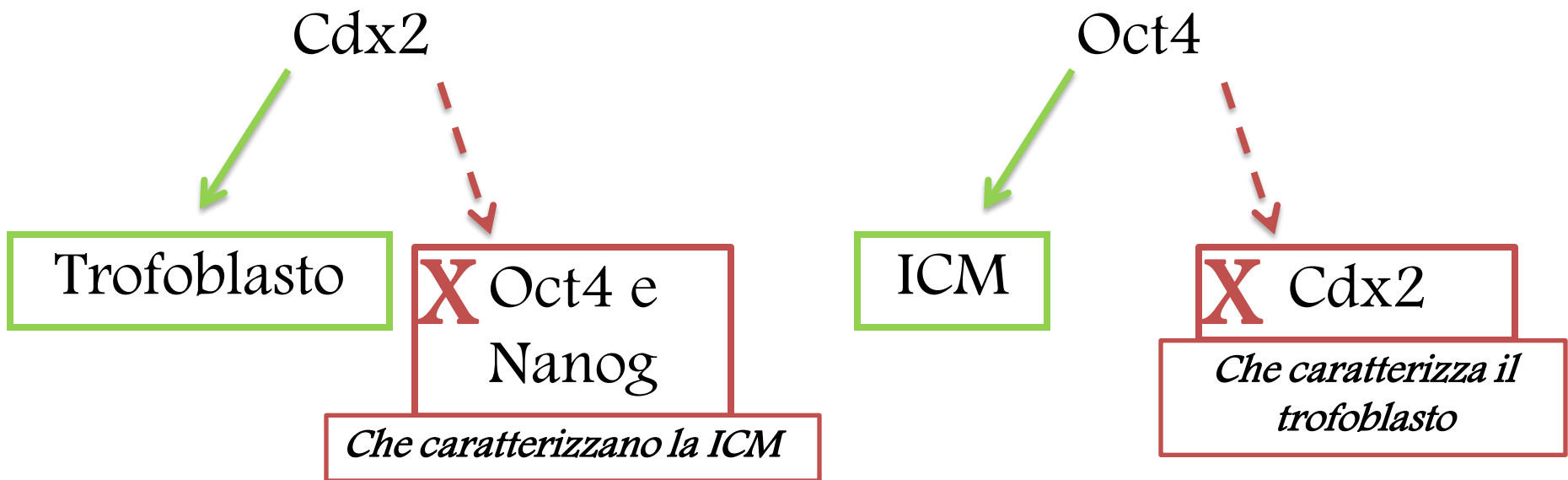
Compattazione

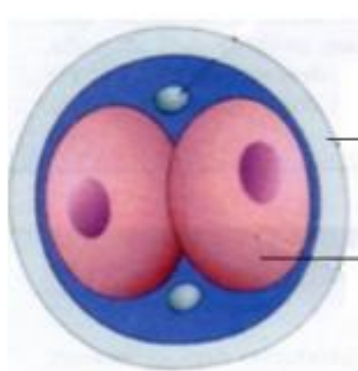
Morula

Blastocisti



ICM o trofoblasto? La prima decisione che dobbiamo prendere nella nostra vita...

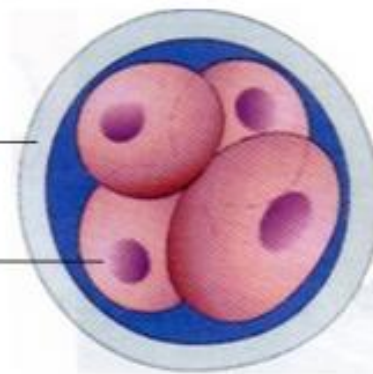




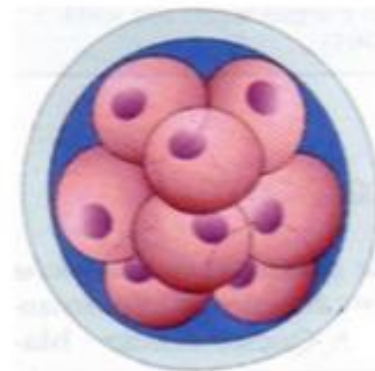
Stadio a 2 cellule

zona pellucida

blastomero

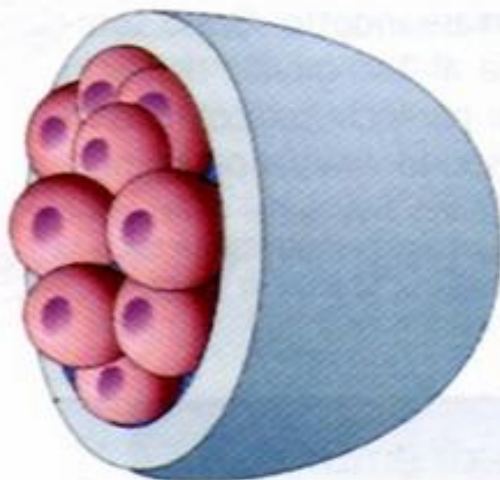


Stadio a 4 cellule



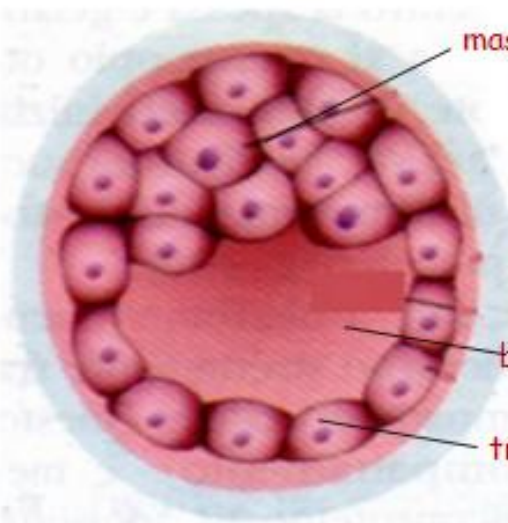
Stadio a 8 cellule

EMBRIONE



Stadio a 12-16 cellule

- MORULA -



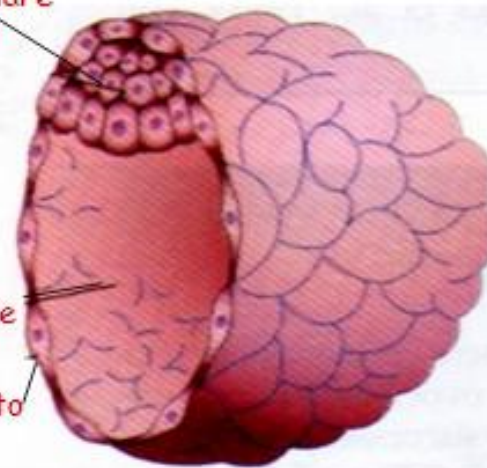
Stadio a 32-64 cellule

- BLASTOCISTI -

massa cellulare
interna

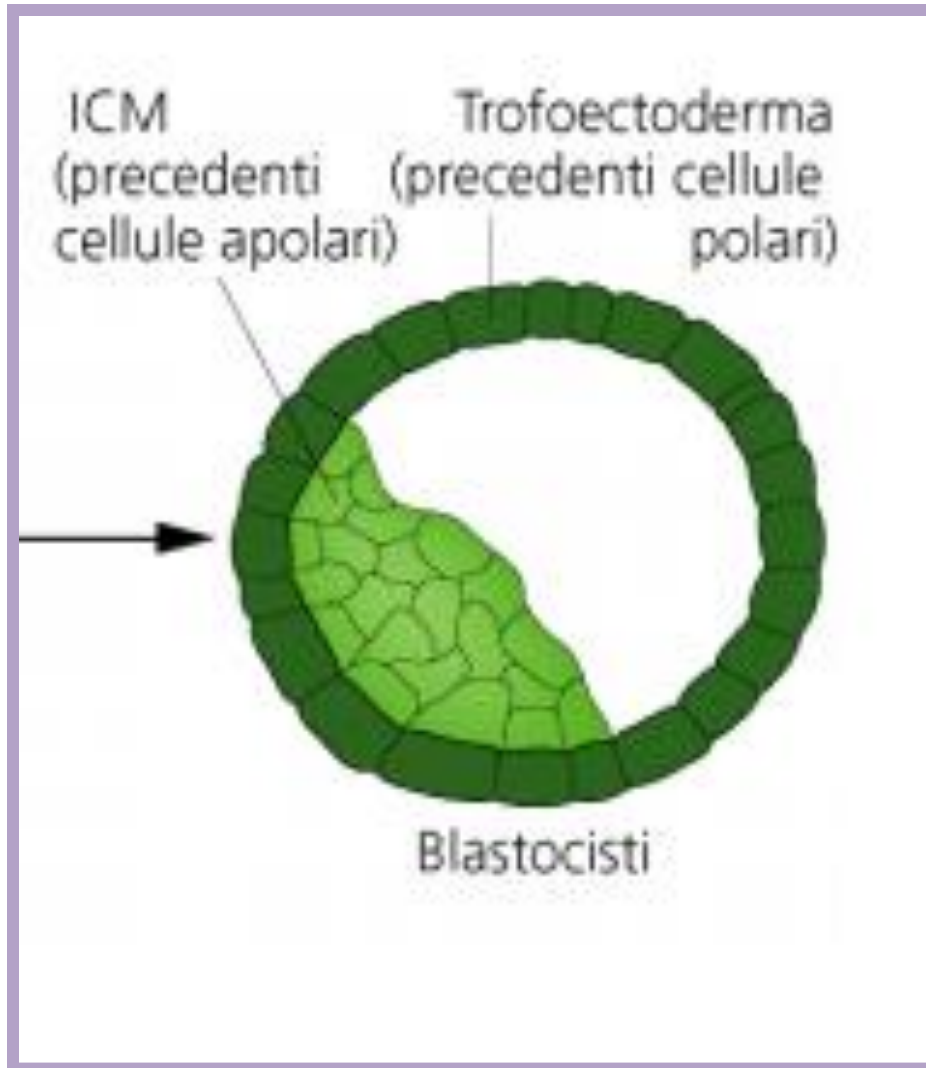
blastocoele

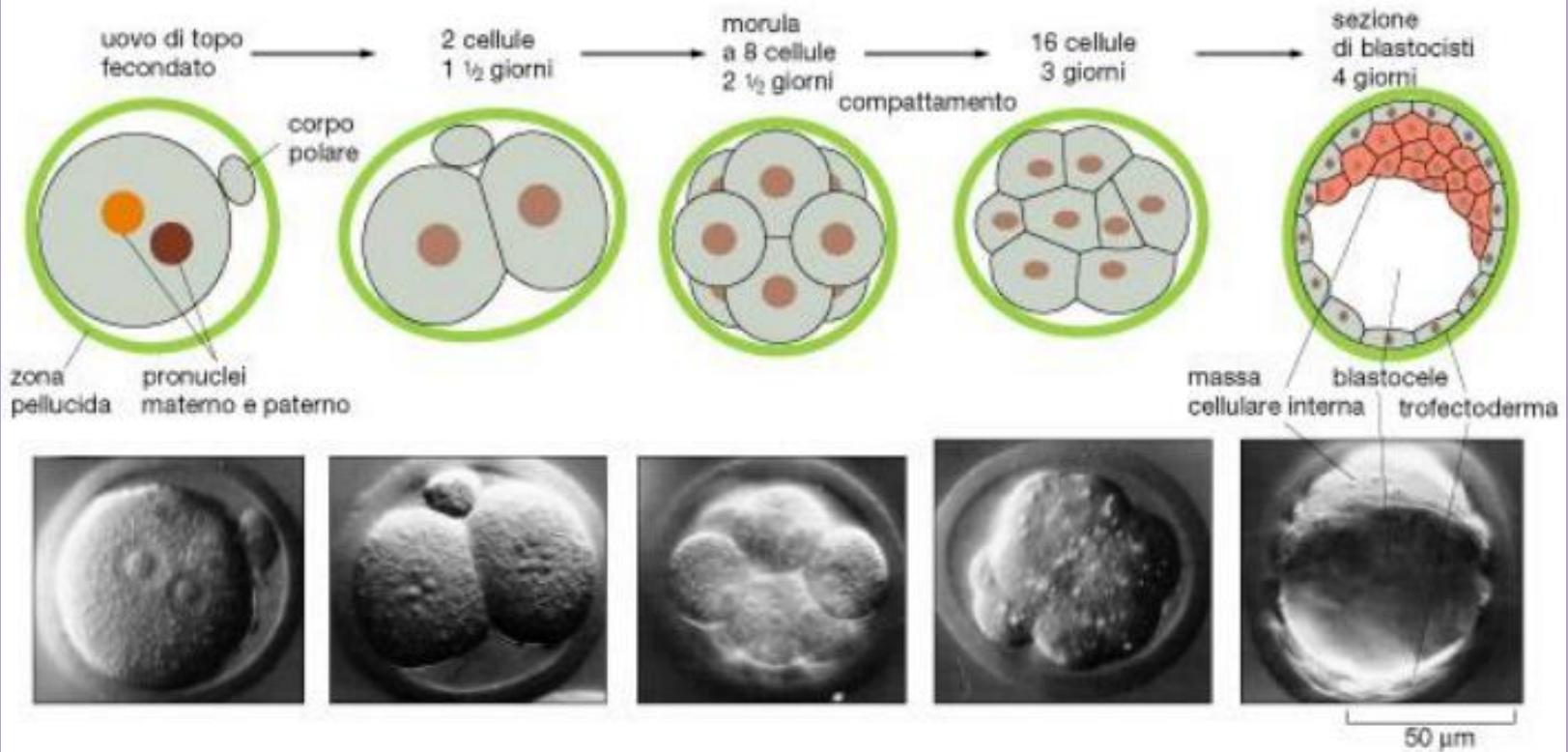
trofoblasto

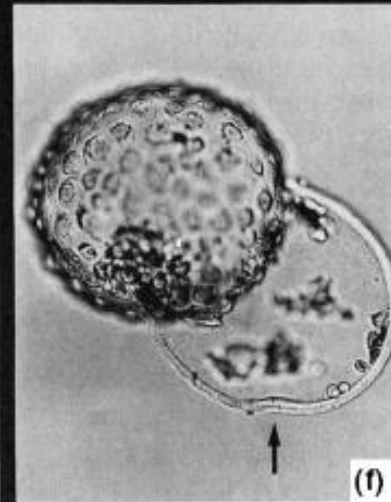
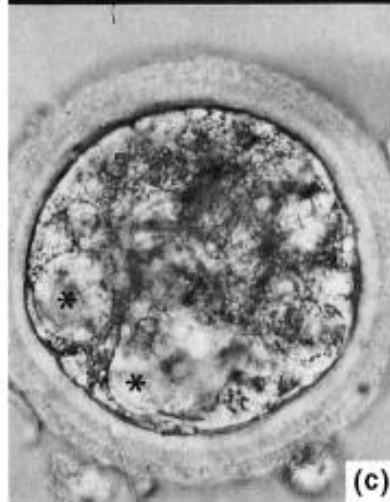
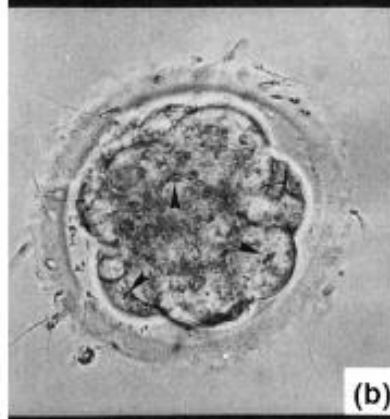
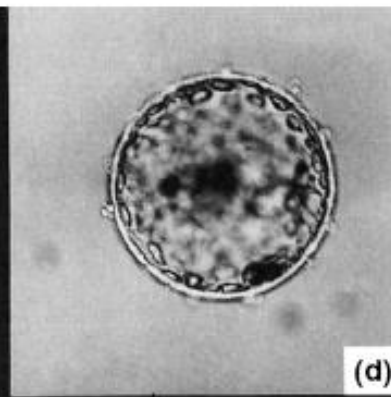
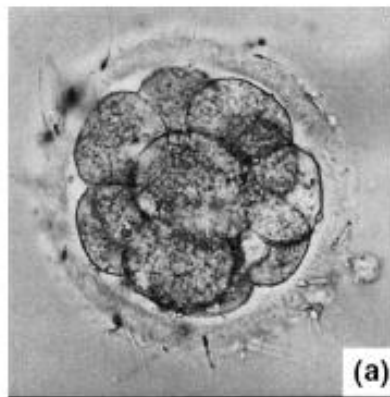


- BLASTOCISTI³ -

Cavitazione



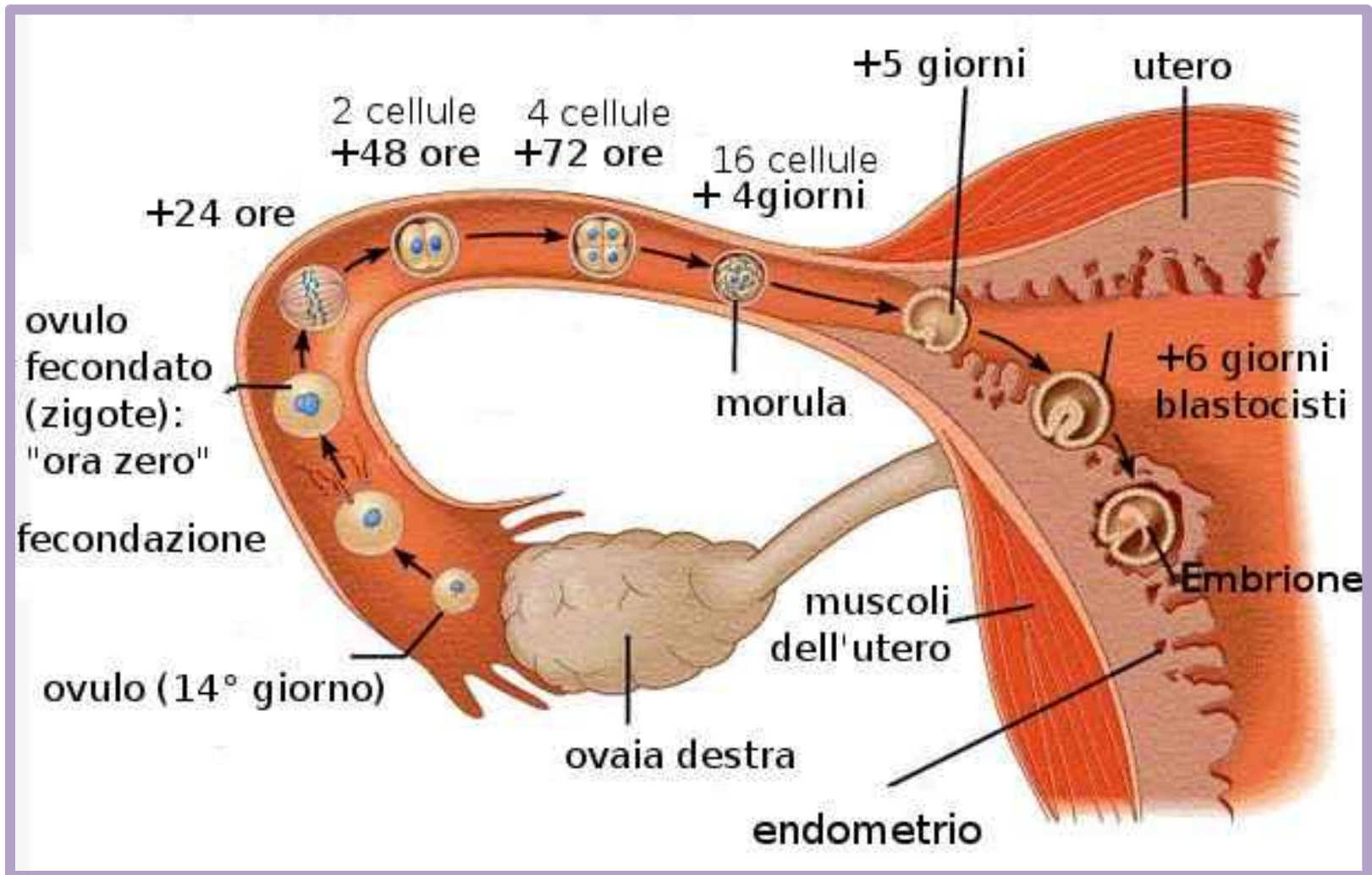




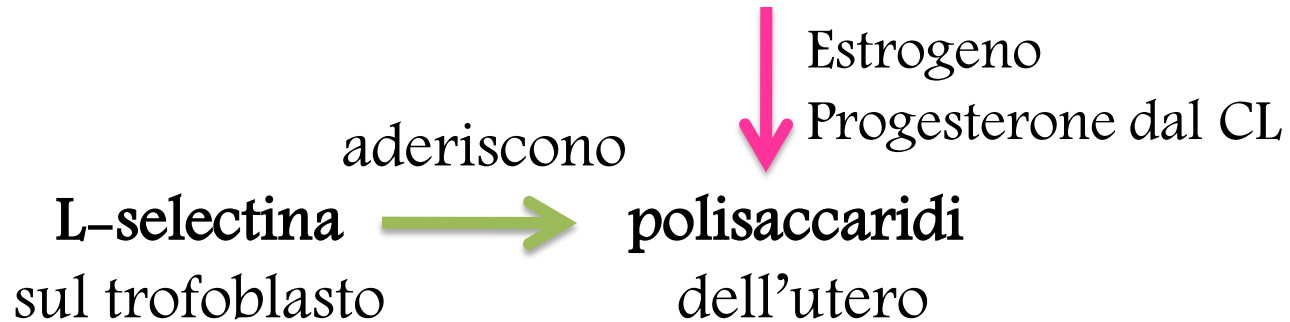
Estrusione dalla zona pellucida



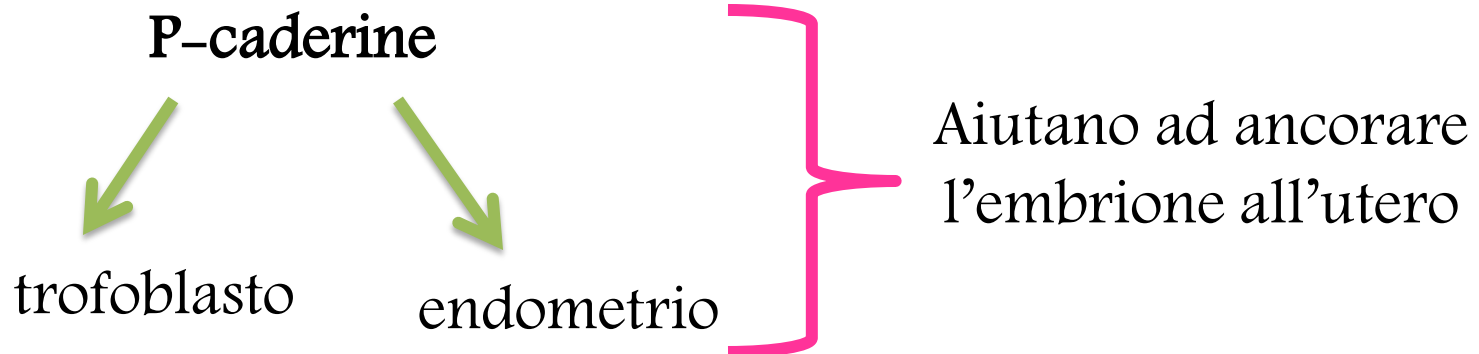
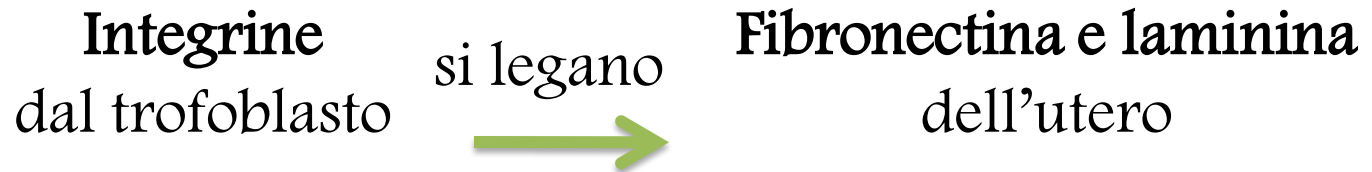
La blastocisti deve annidarsi nell'utero



L'impianto

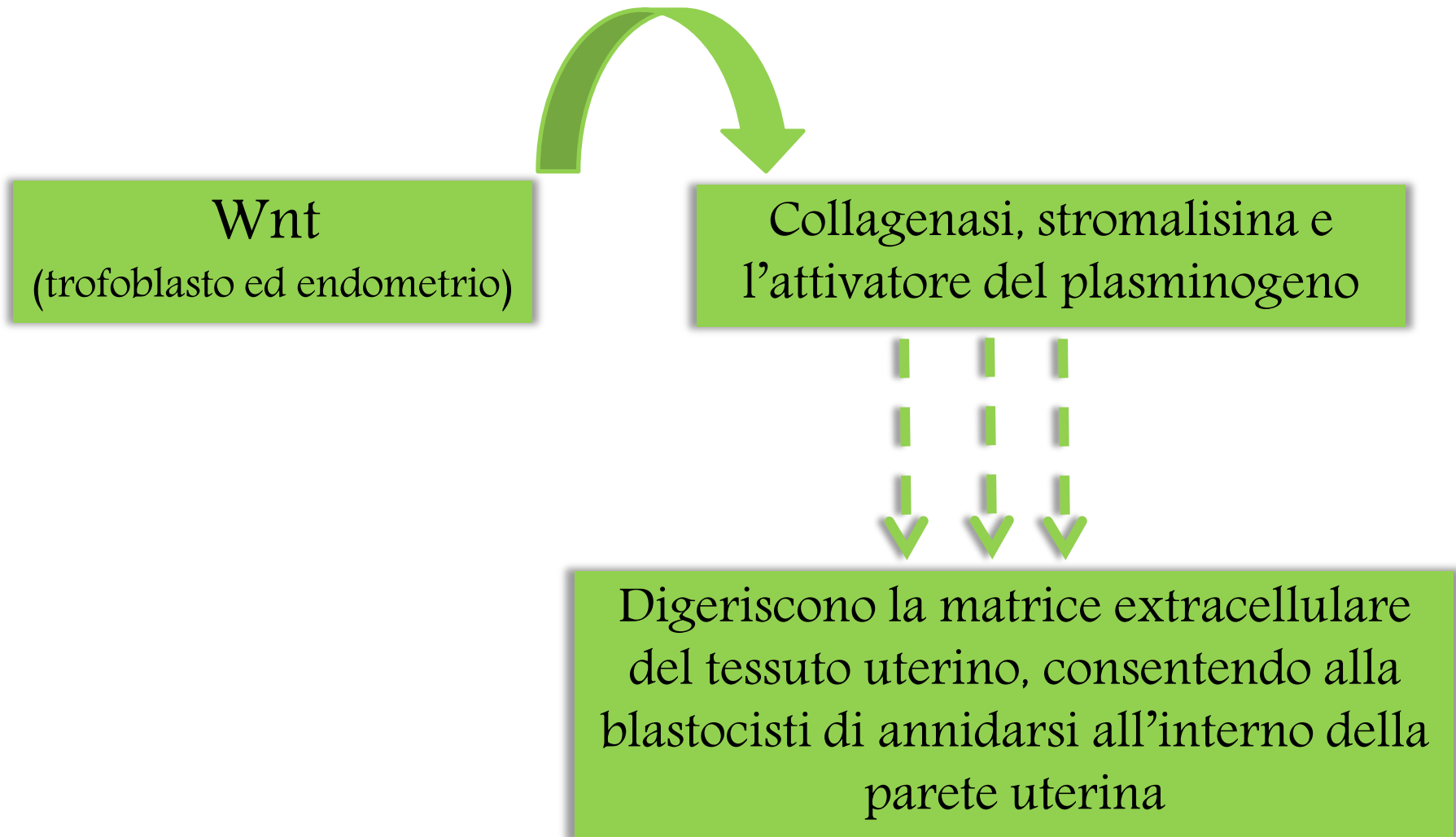


SUCCESSIVAMENTE



L'impianto

Stimola il trofoblasto



Tessuto uterino
(decidua)

Cavità
amniotica

Citotrofoblasto

Sinciziotrofoblasto
che prolifera
all'interno
del tessuto uterino

