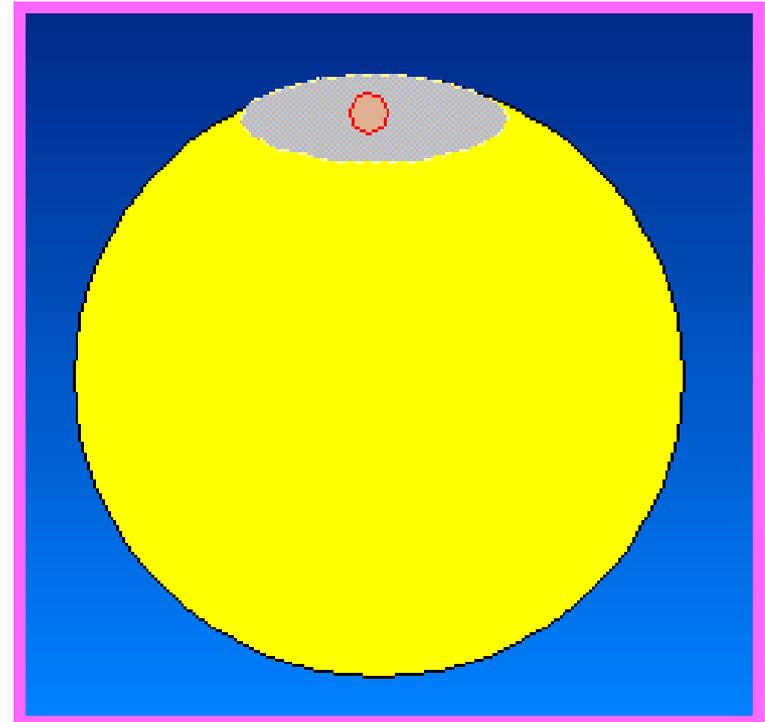
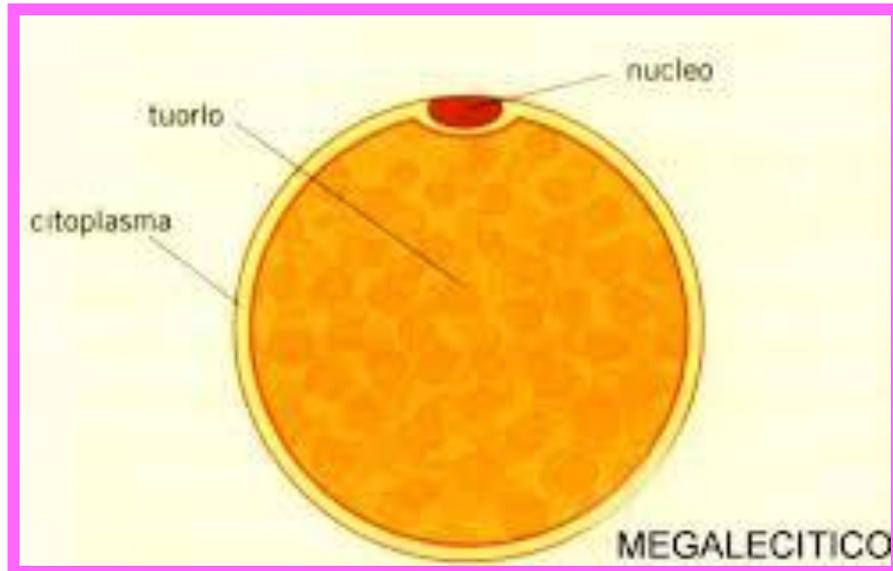


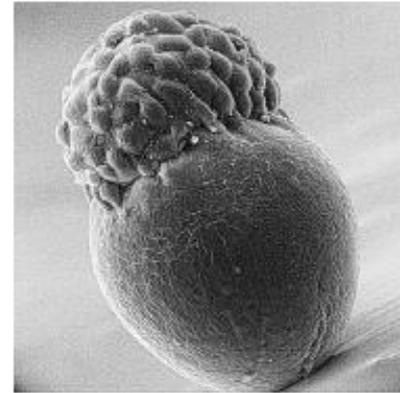
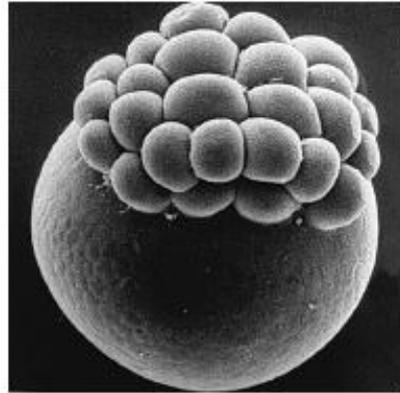
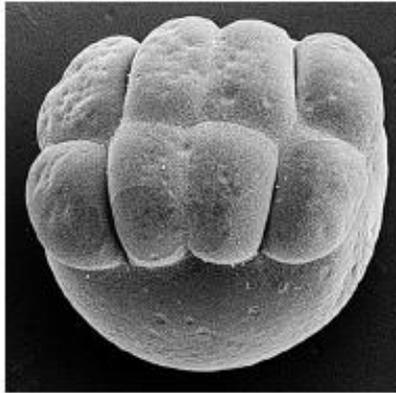
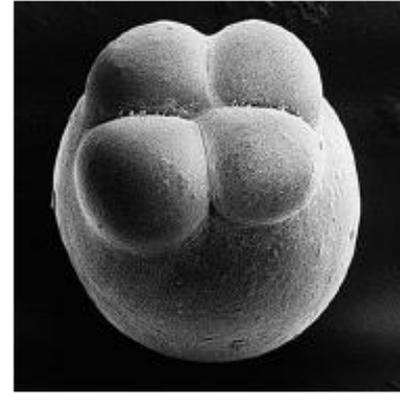
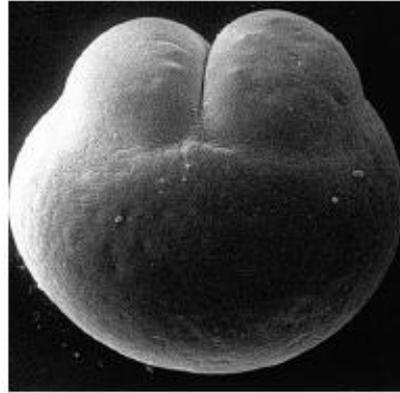
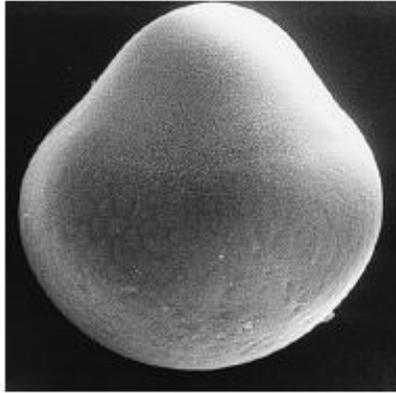
La segmentazione meroblastica

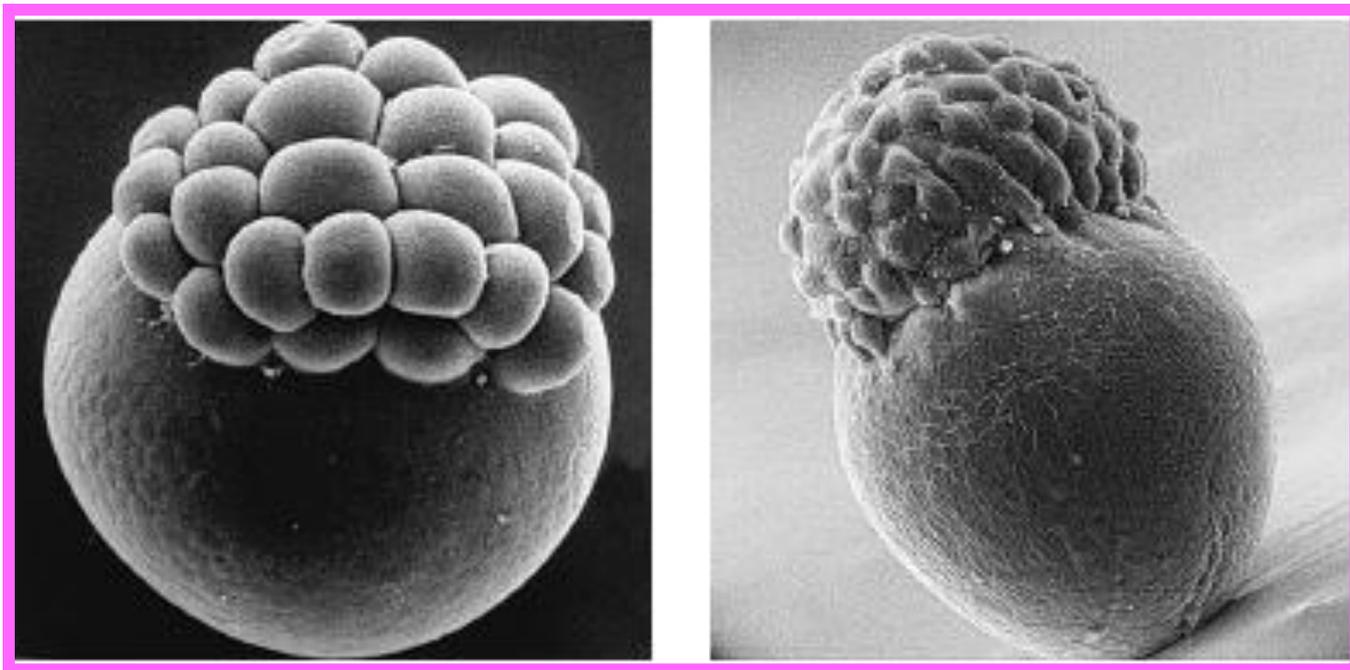


La segmentazione meroblastica discoidale: i pesci



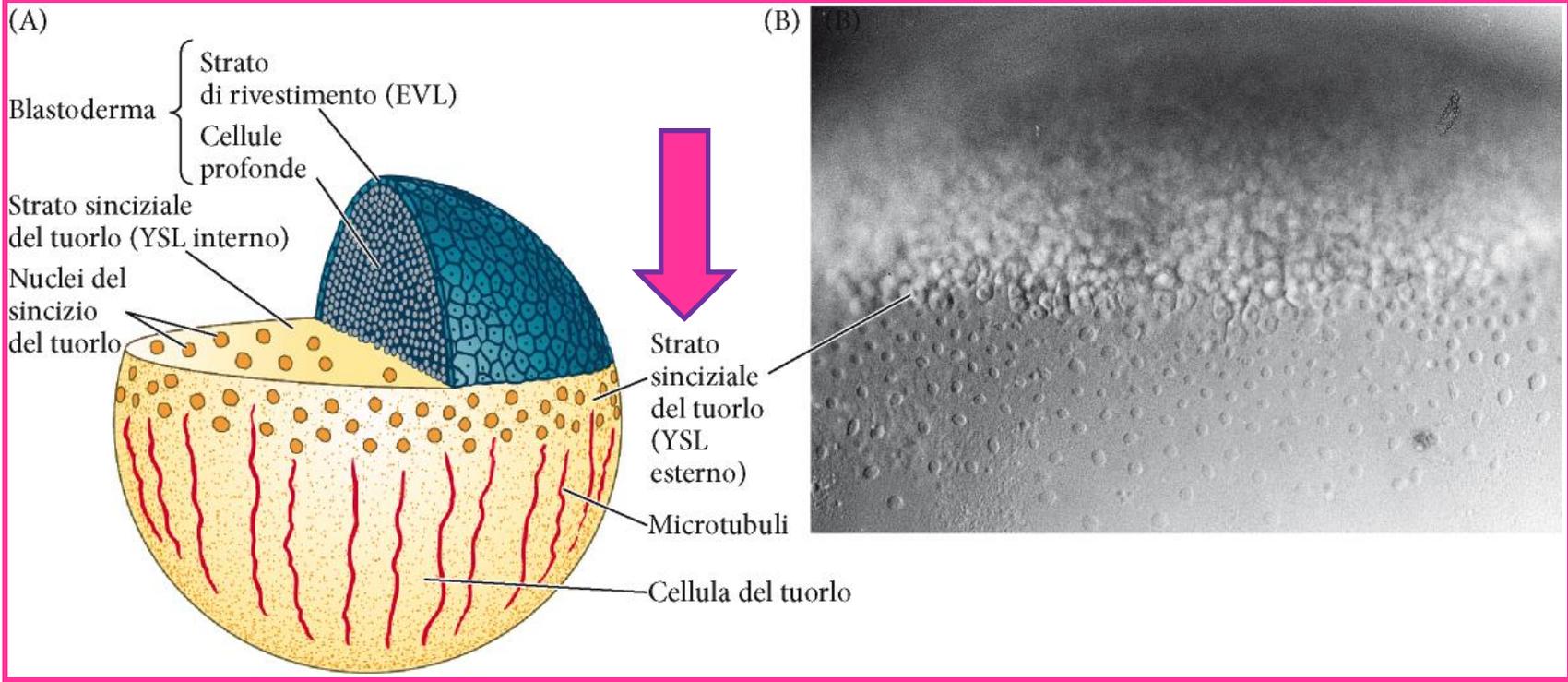
La segmentazione meroblastica discoidale: i pesci

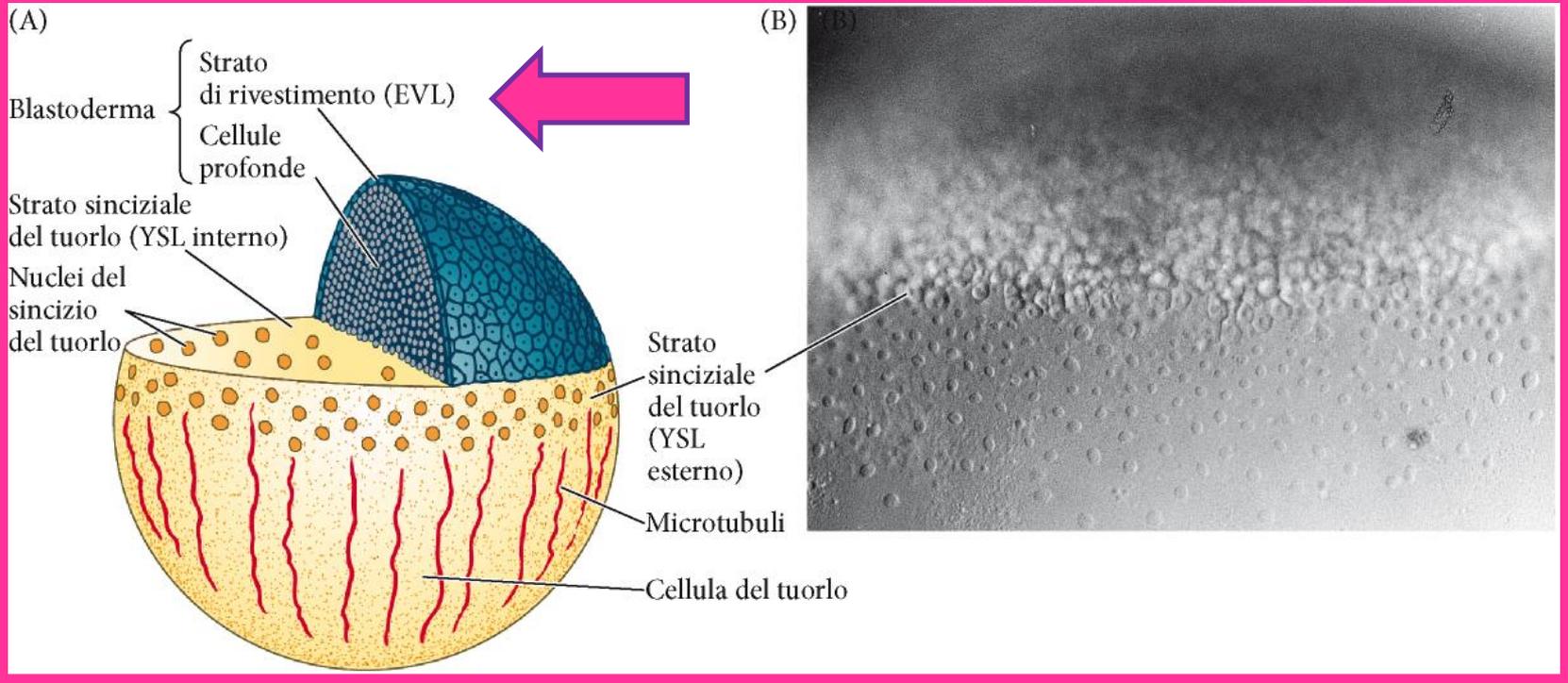


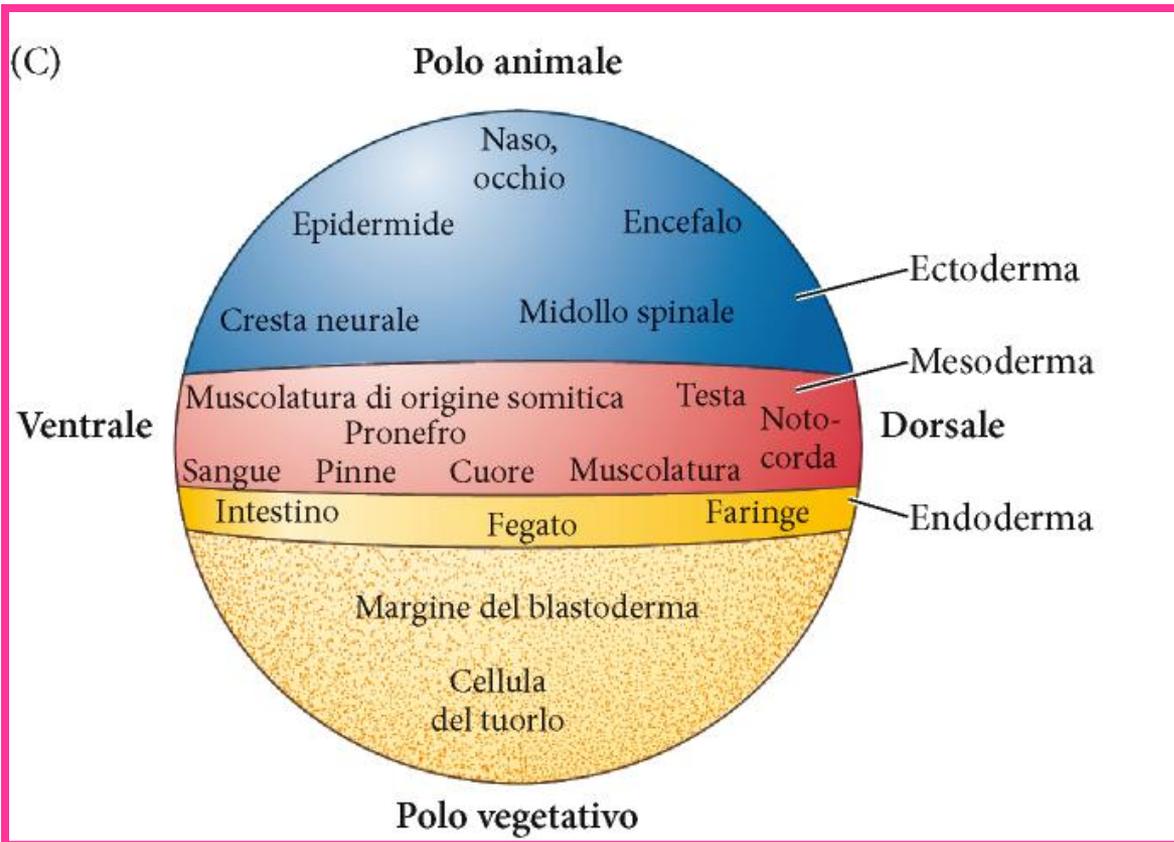


Two pink pushpins are positioned at the top corners of a pink-bordered box, appearing to hold the box in place. The box has rounded corners and a thick pink border.

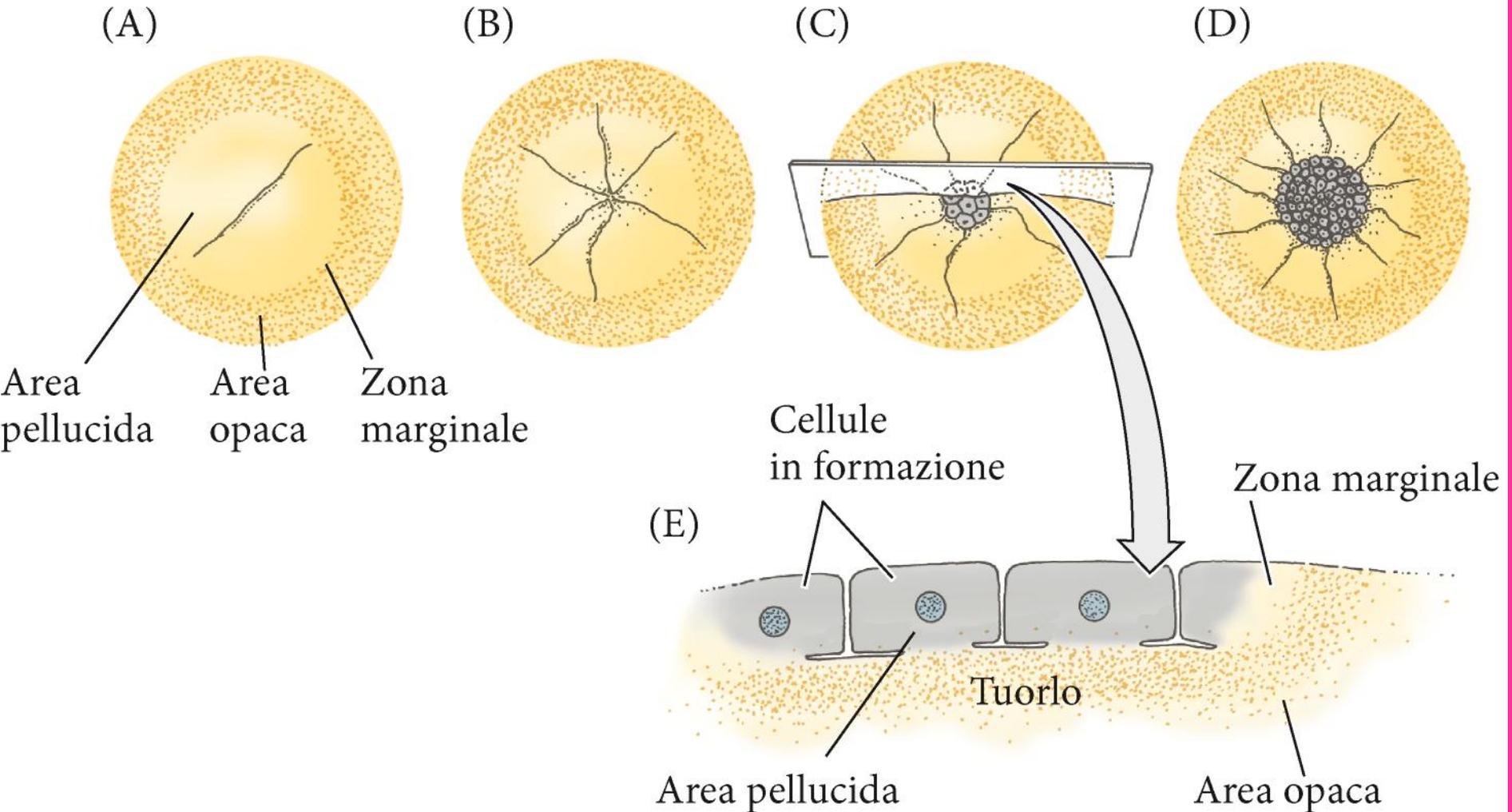
**TRANSIZIONE DI BLASTULA
INTERMEDIA**

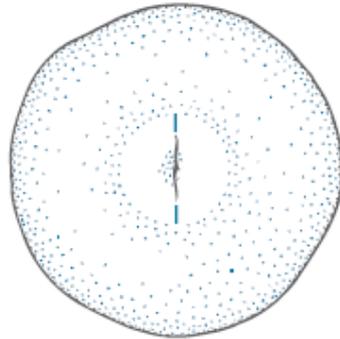




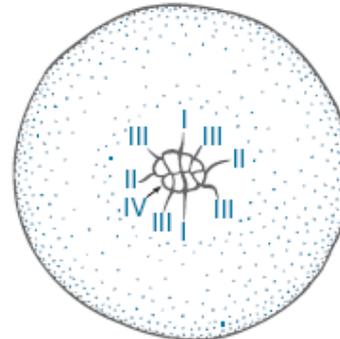


Segmentazione meroblastica discoidale: uccelli e rettili → sauropsidi

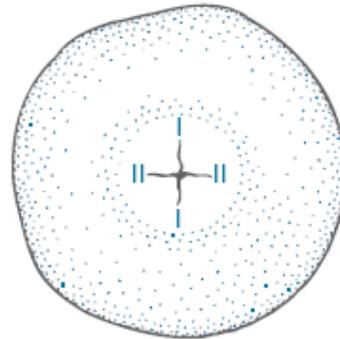




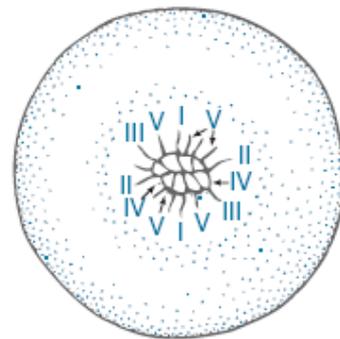
(a)



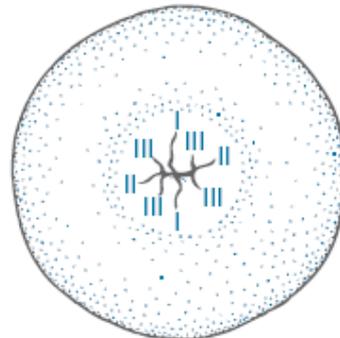
(d)



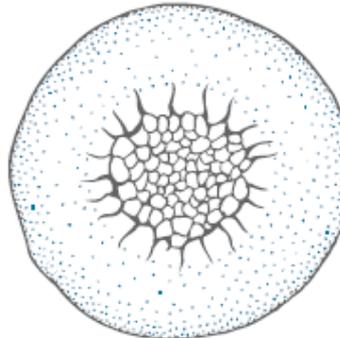
(b)



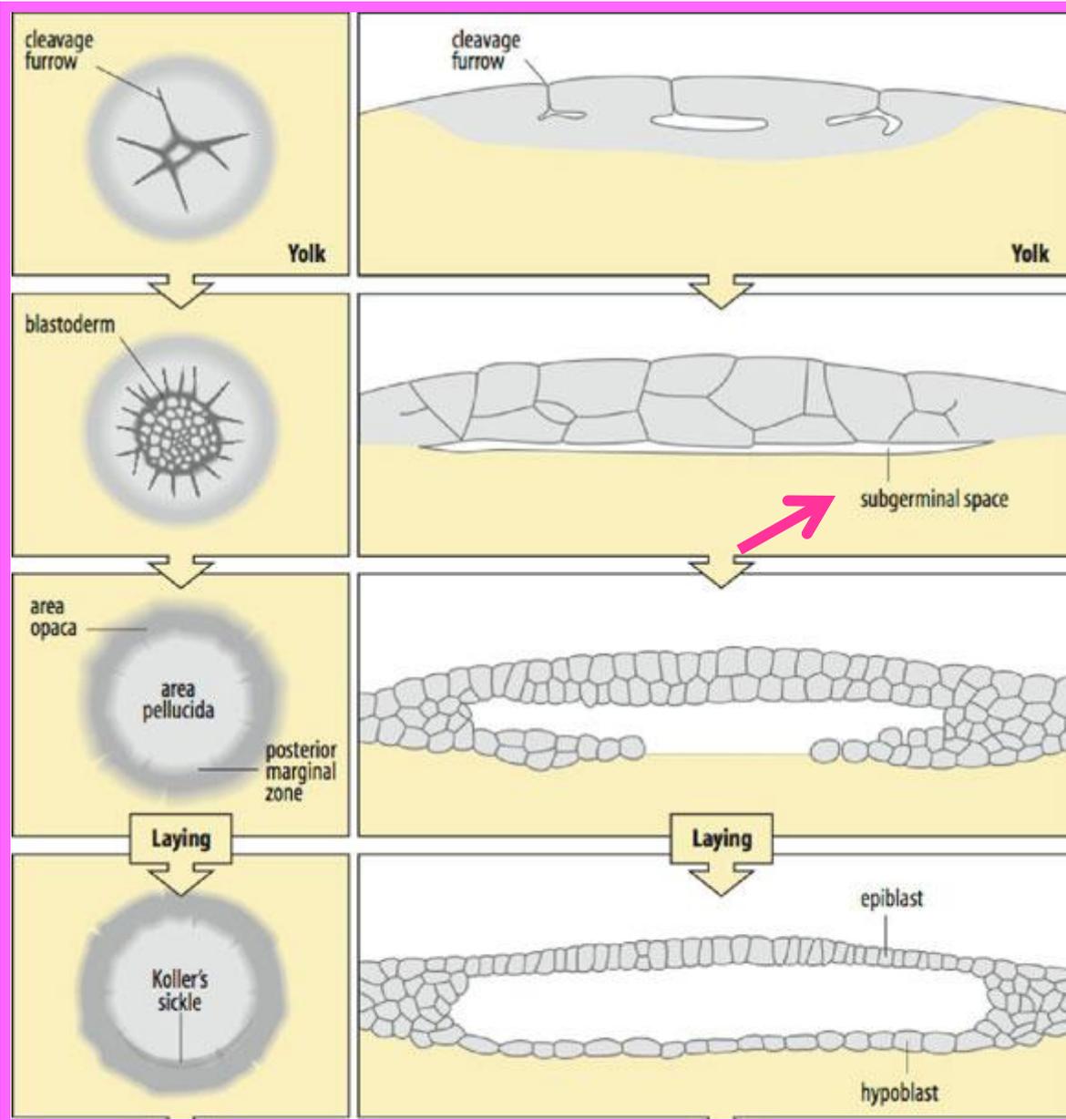
(e)

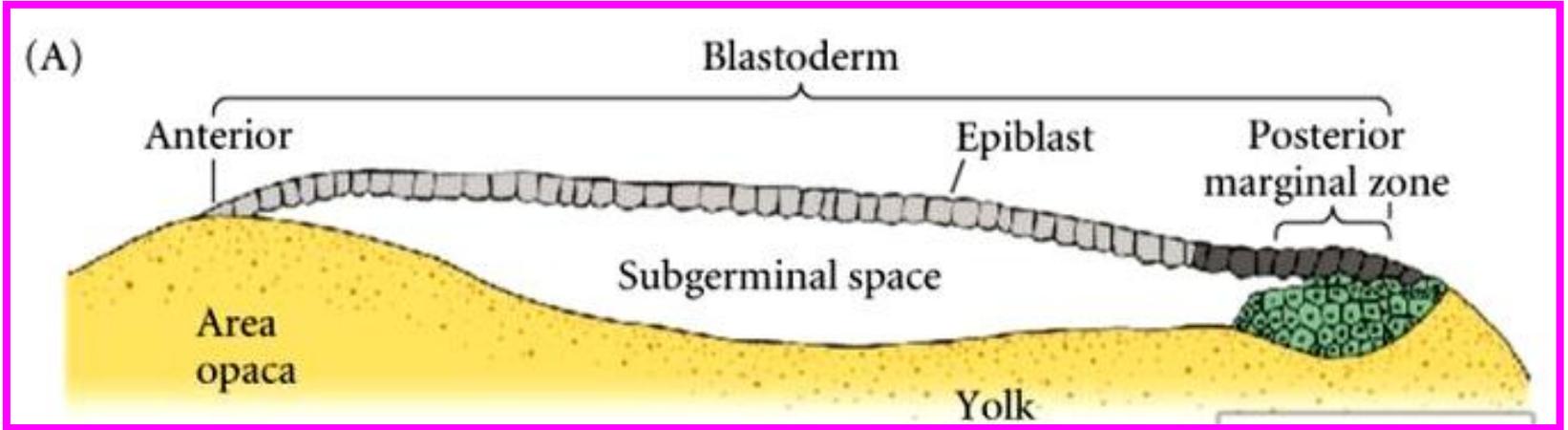
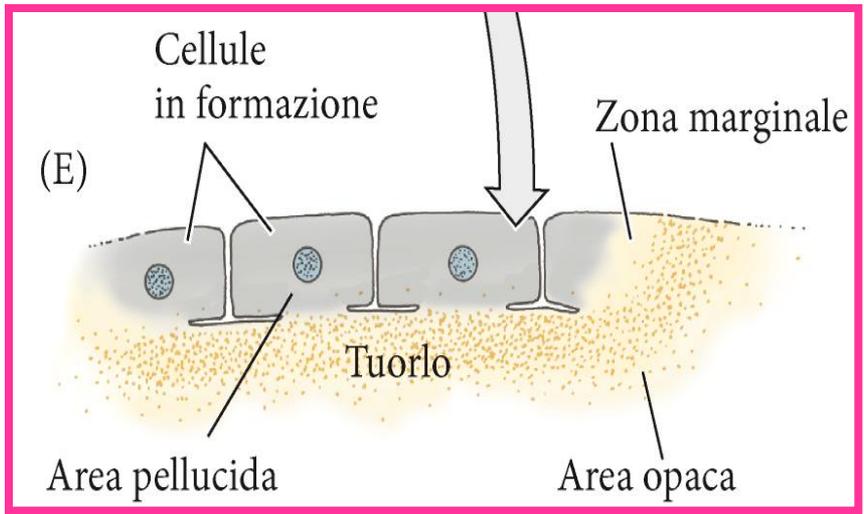


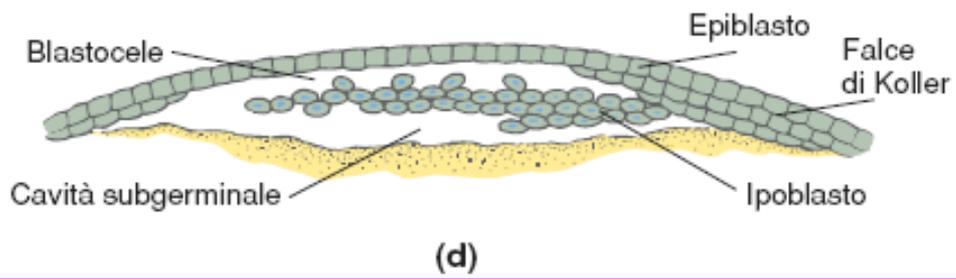
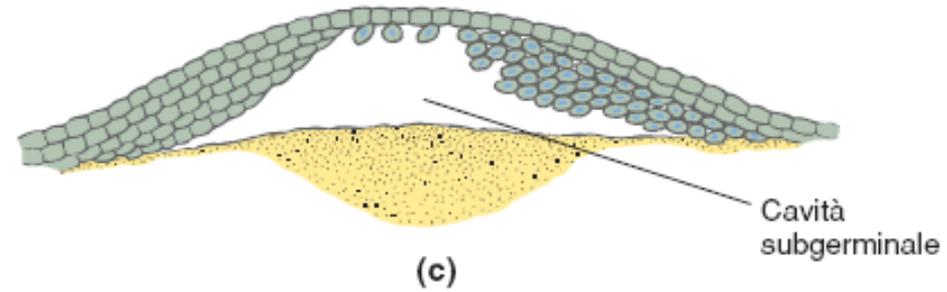
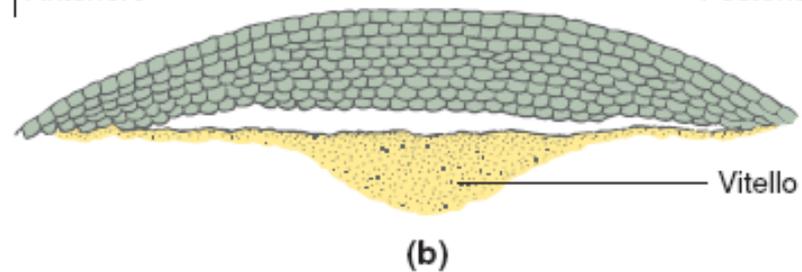
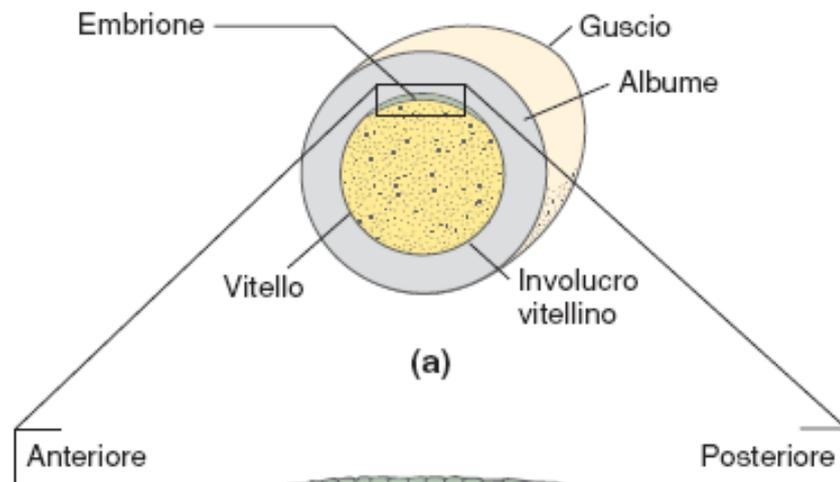
(c)



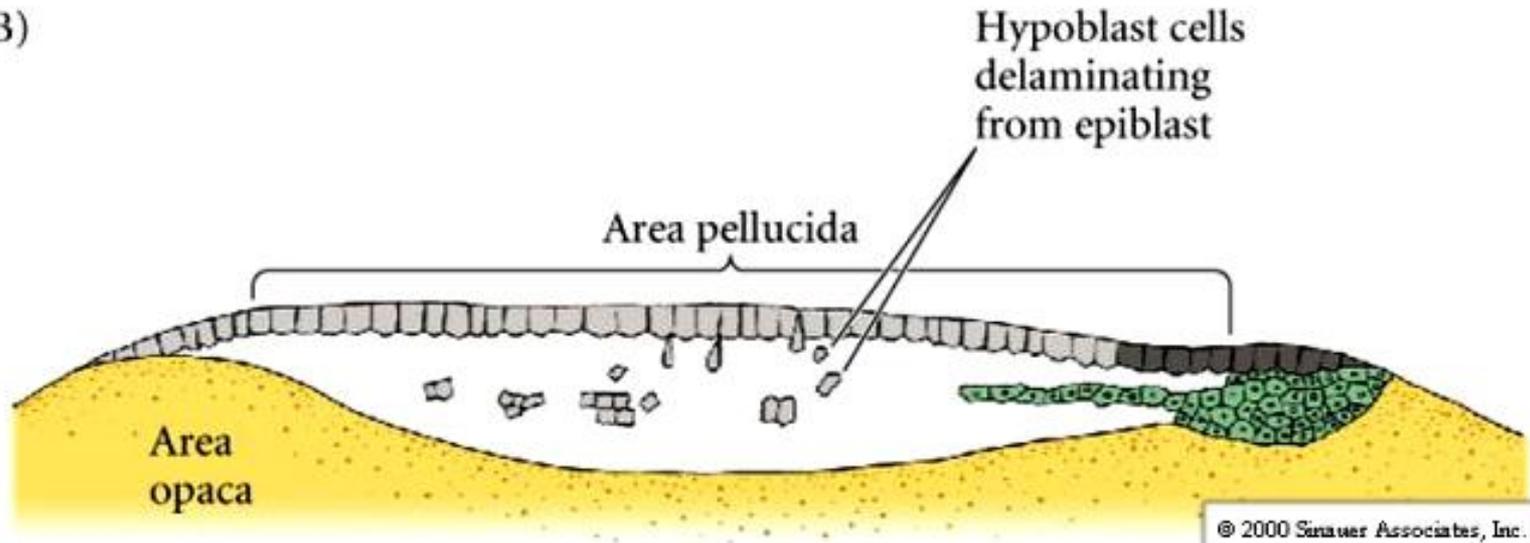
(f)



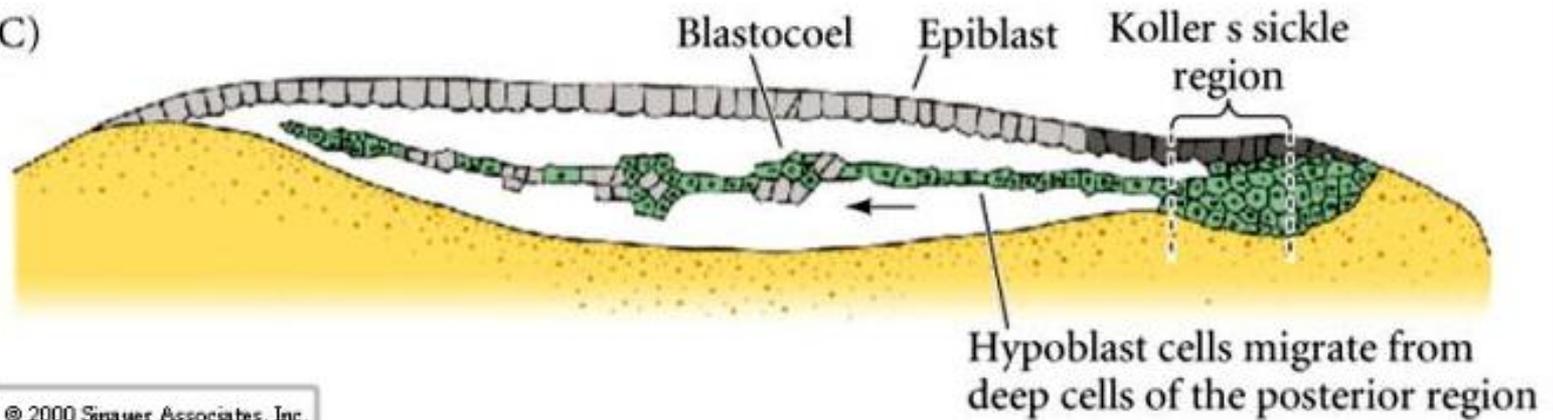


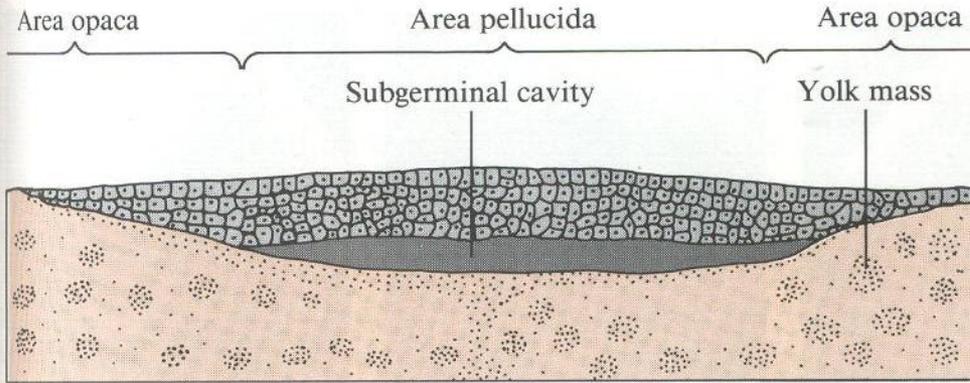


(B)

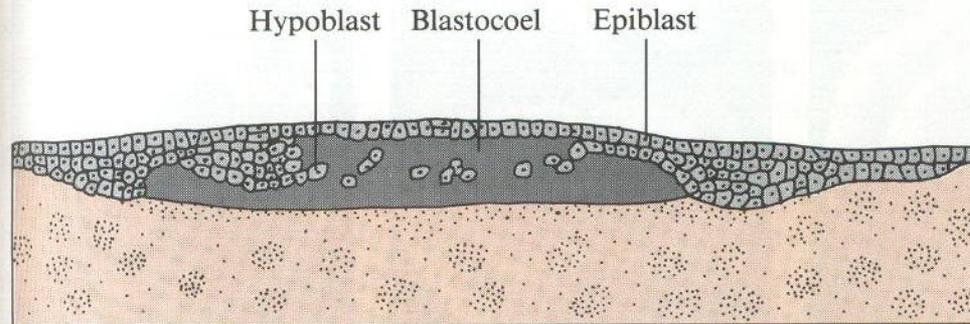


(C)

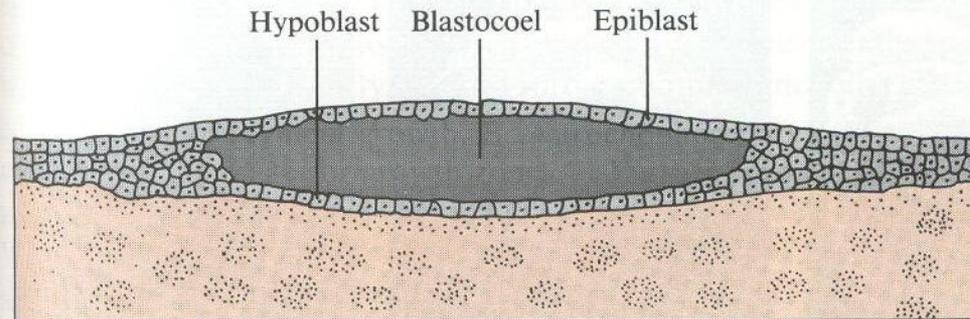




A

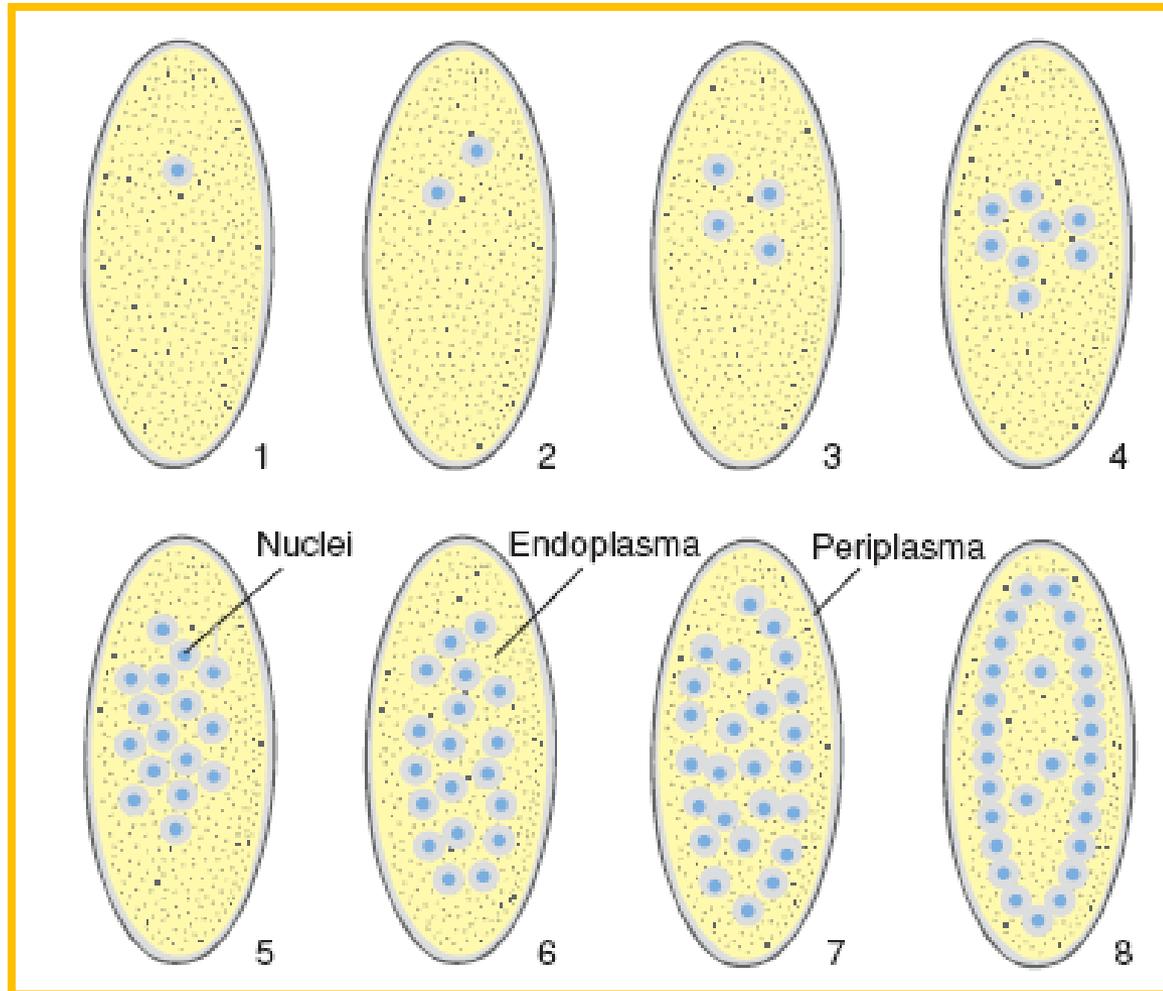


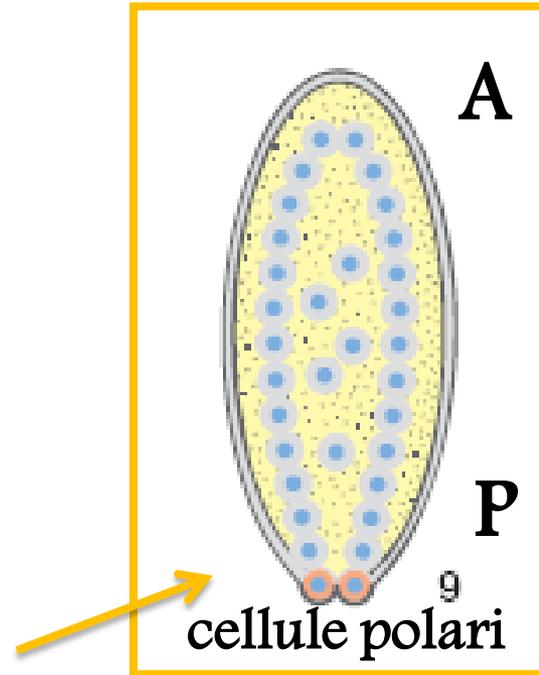
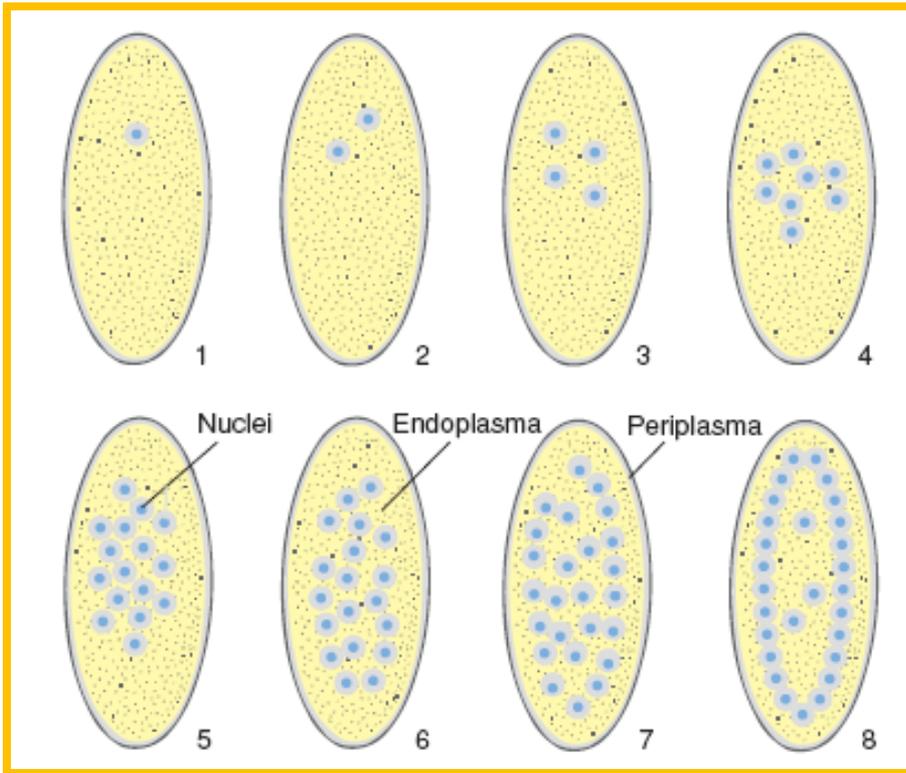
B

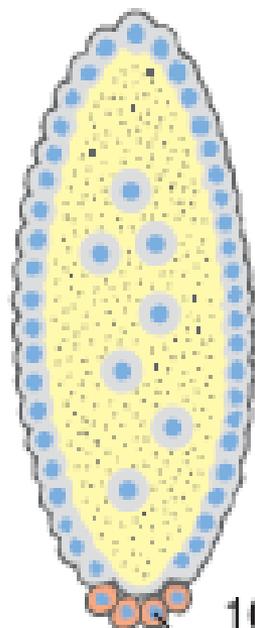


C

Segmentazione meroblastica superficiale

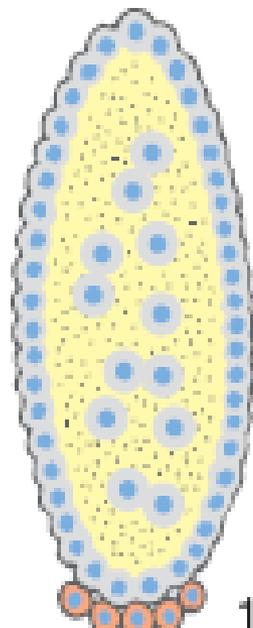




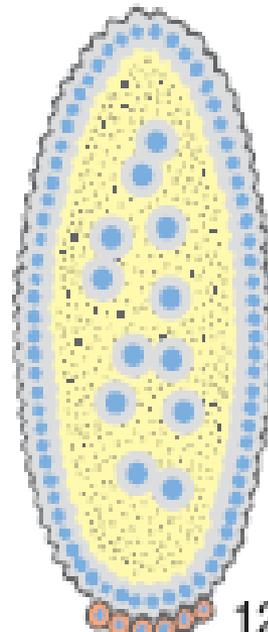


10

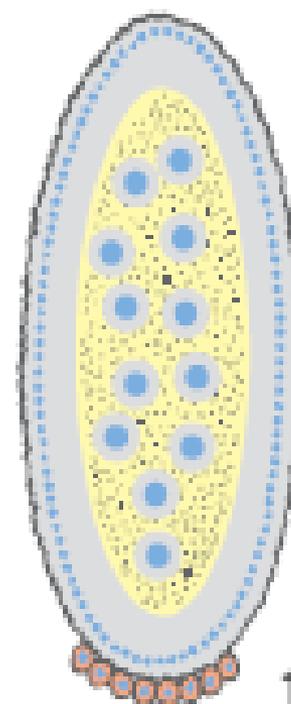
Cellule polari



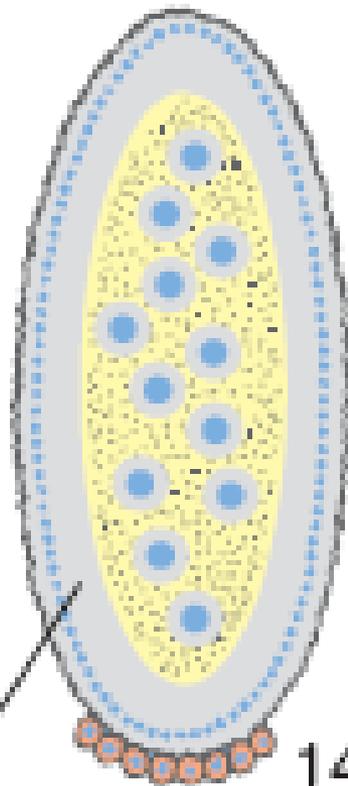
11



12

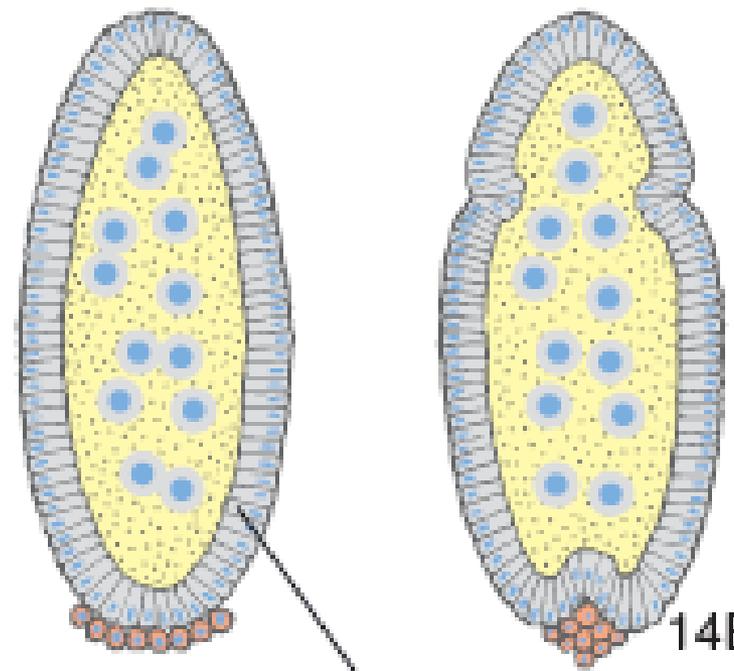


13



14A

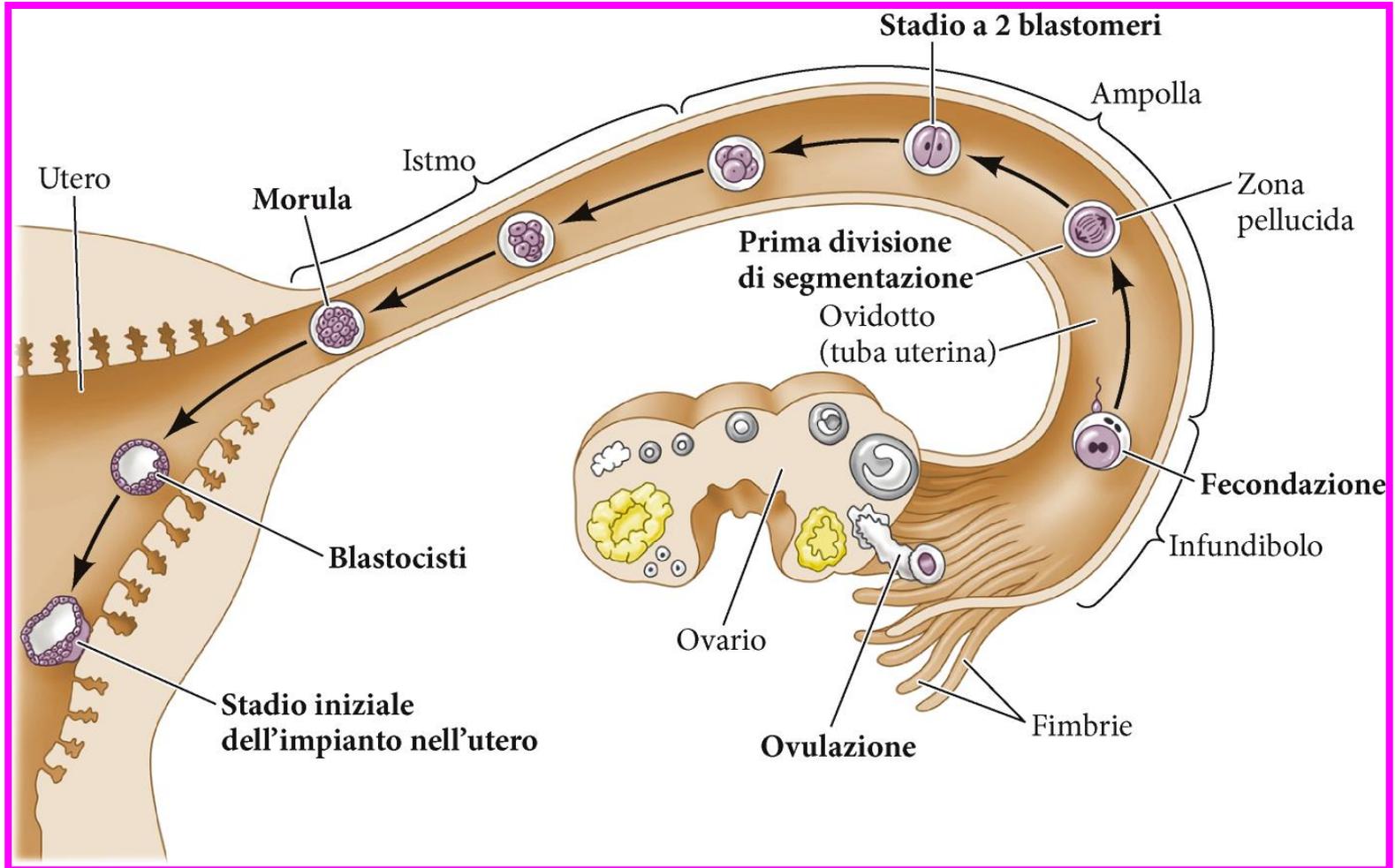
Blastoderma
sinciziale

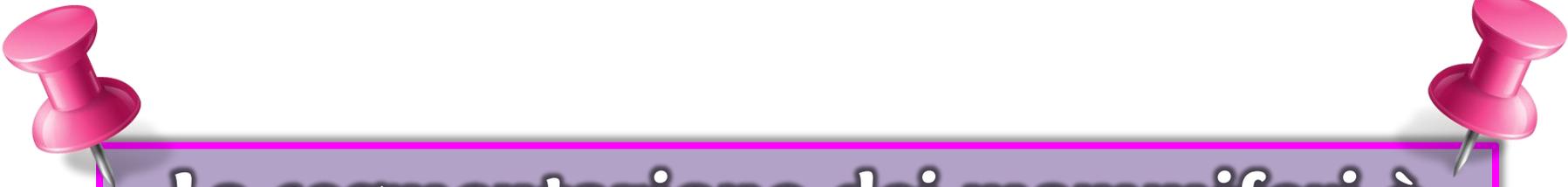


14B

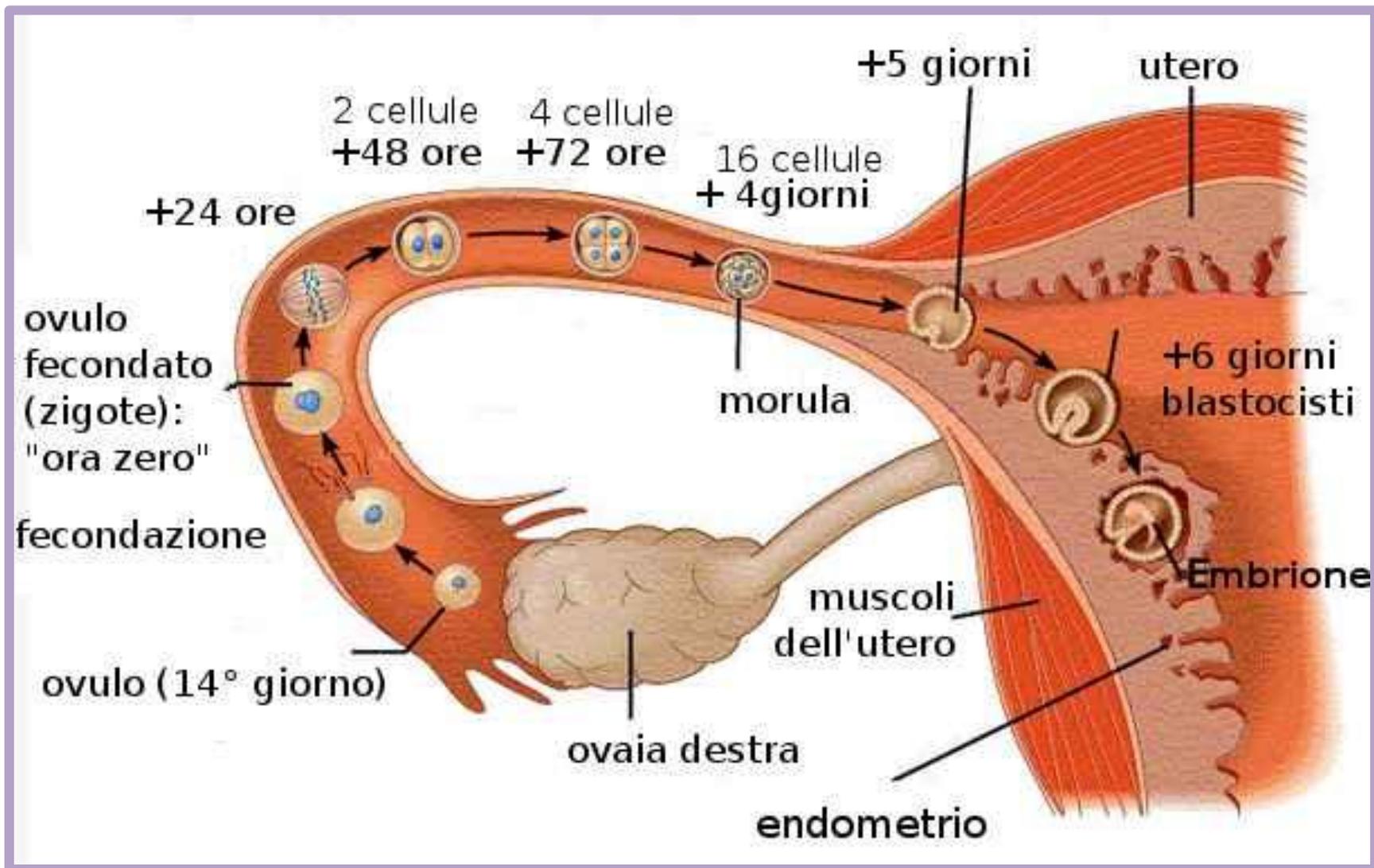
Blastoderma
cellulare

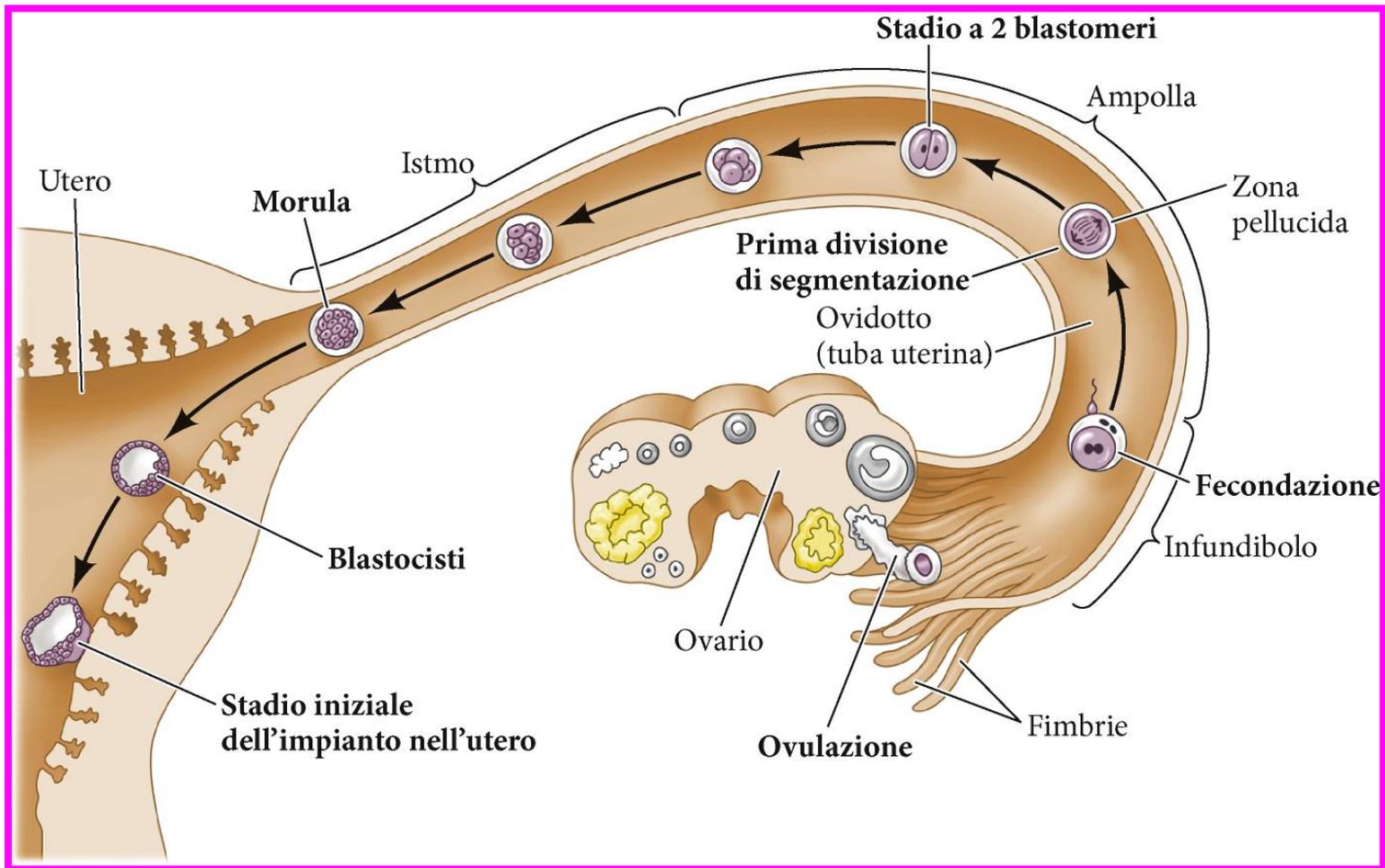
Segmentazione oloblastica rotazionale: mammiferi



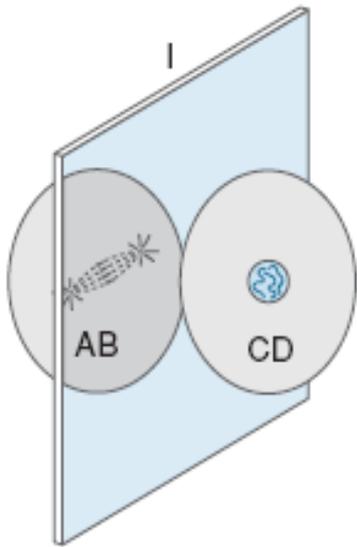
Two pink pushpins are positioned at the top corners of a purple rectangular box. The pushpin on the left is on the top-left corner, and the pushpin on the right is on the top-right corner. Both pushpins have their heads pointing upwards and their sharp points pointing downwards into the box.

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

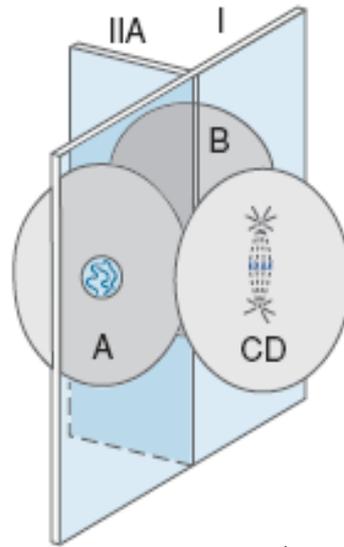




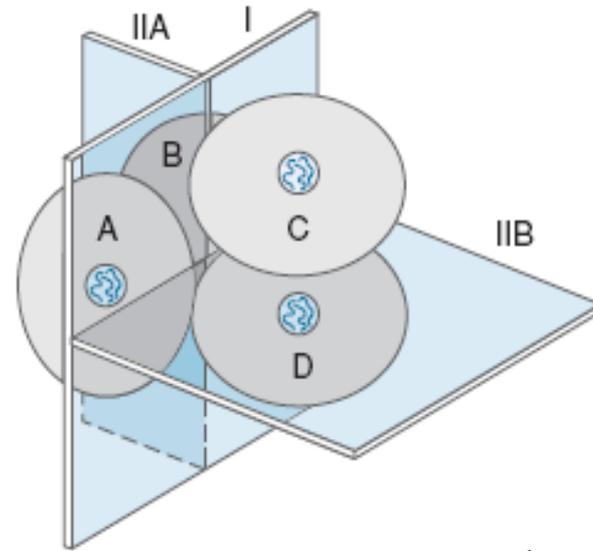
Le prime divisioni avvengono mentre l'embrione viaggia verso l'utero.



(a)



meridiano



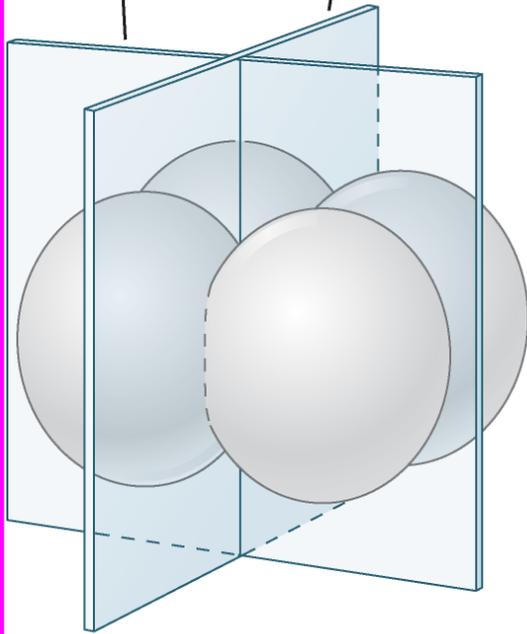
equatoriale

La natura UNICA della segmentazione dei mammiferi

(A) Echinodermi e anfiabi

Piano di segmentazione II

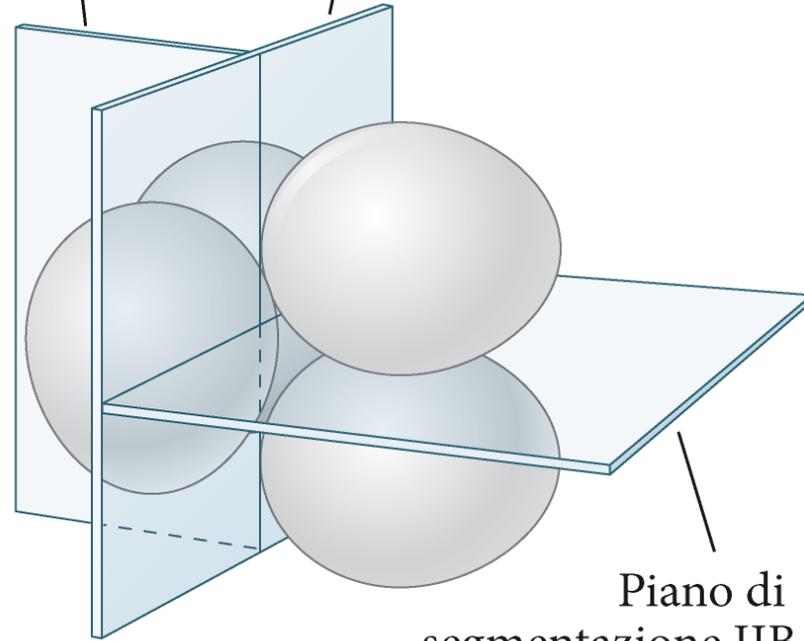
Piano di segmentazione I



(B) Mammiferi

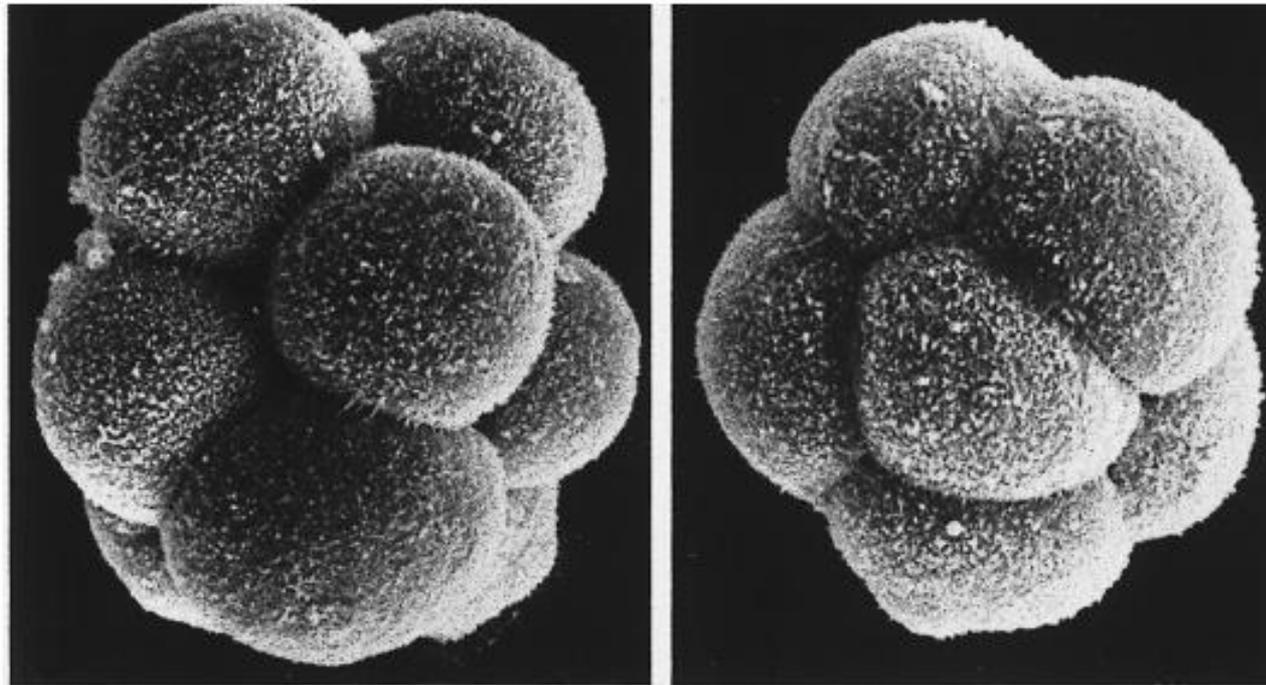
Piano di segmentazione IIA

Piano di segmentazione I



Piano di segmentazione IIB

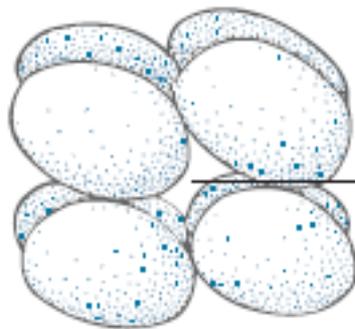
La compattazione



(a)

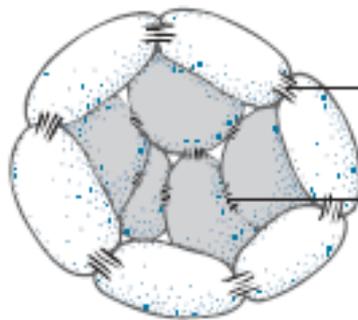
(b)

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

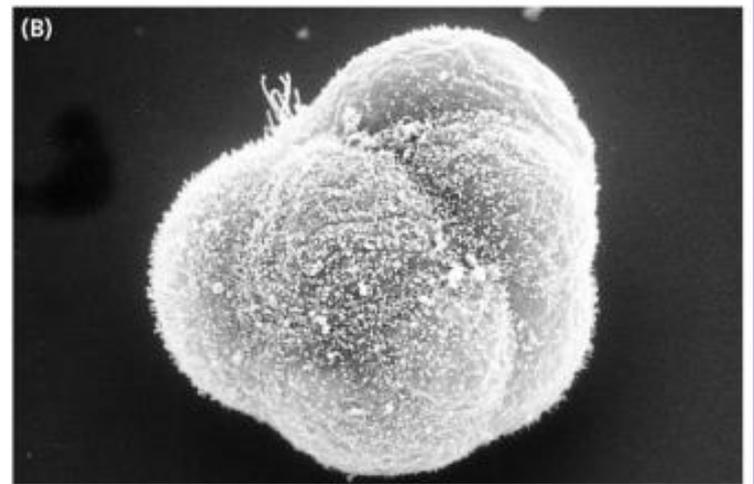
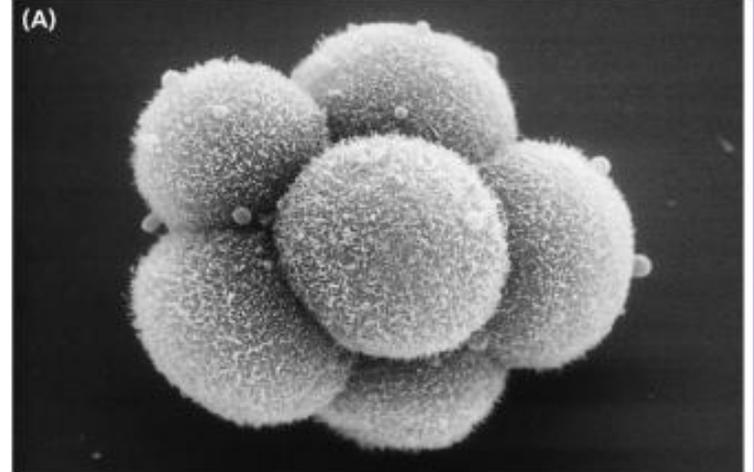
(a) Stadio a 8 blastomeri

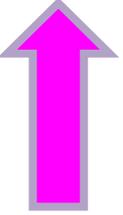
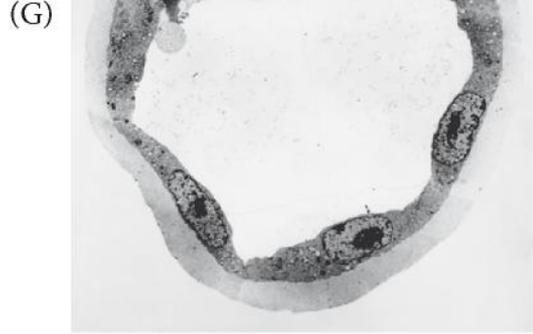
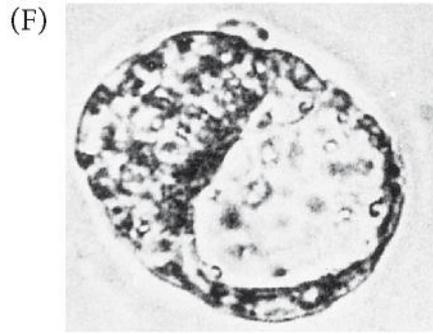
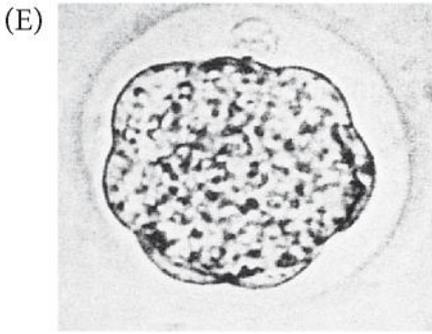
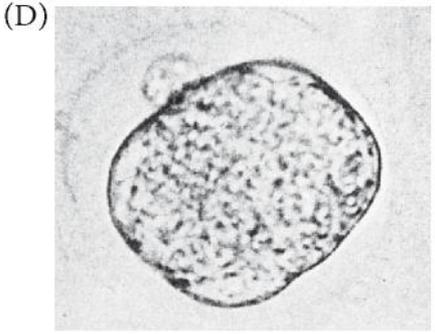
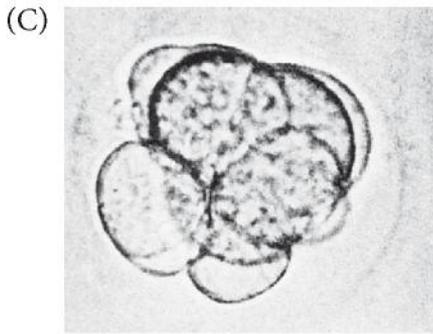
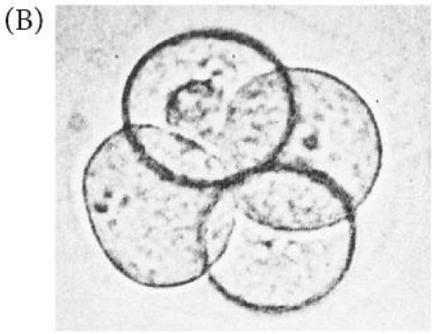
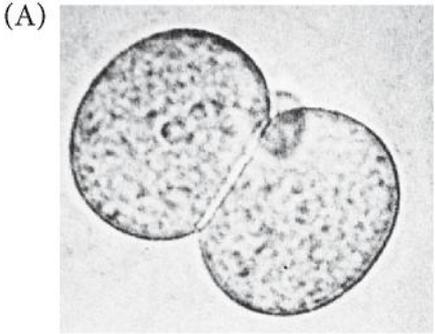


Giunzione stretta

Giunzione serrata

(b) Stadio a 16 blastomeri

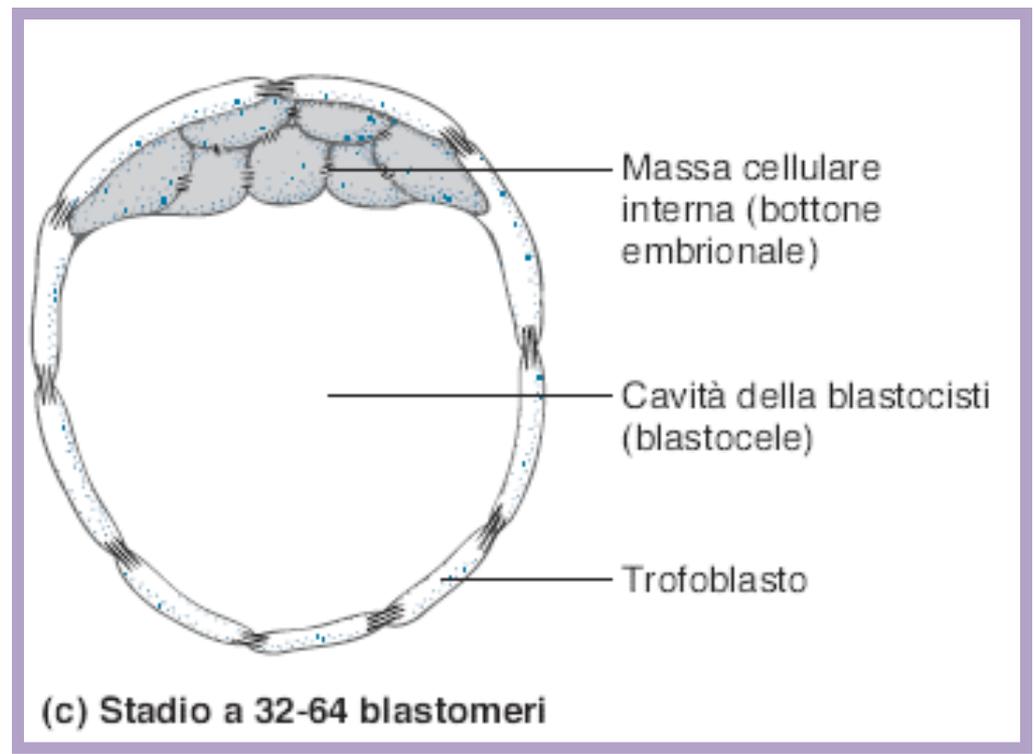
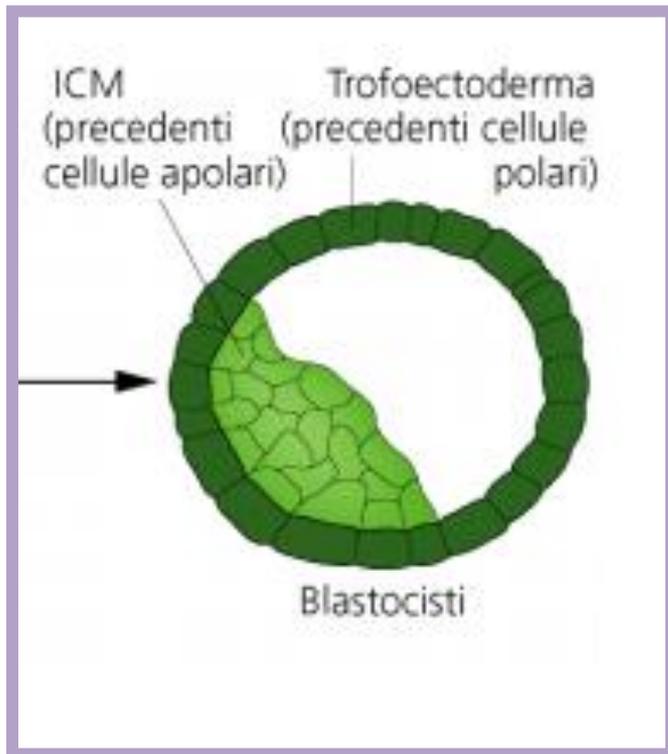




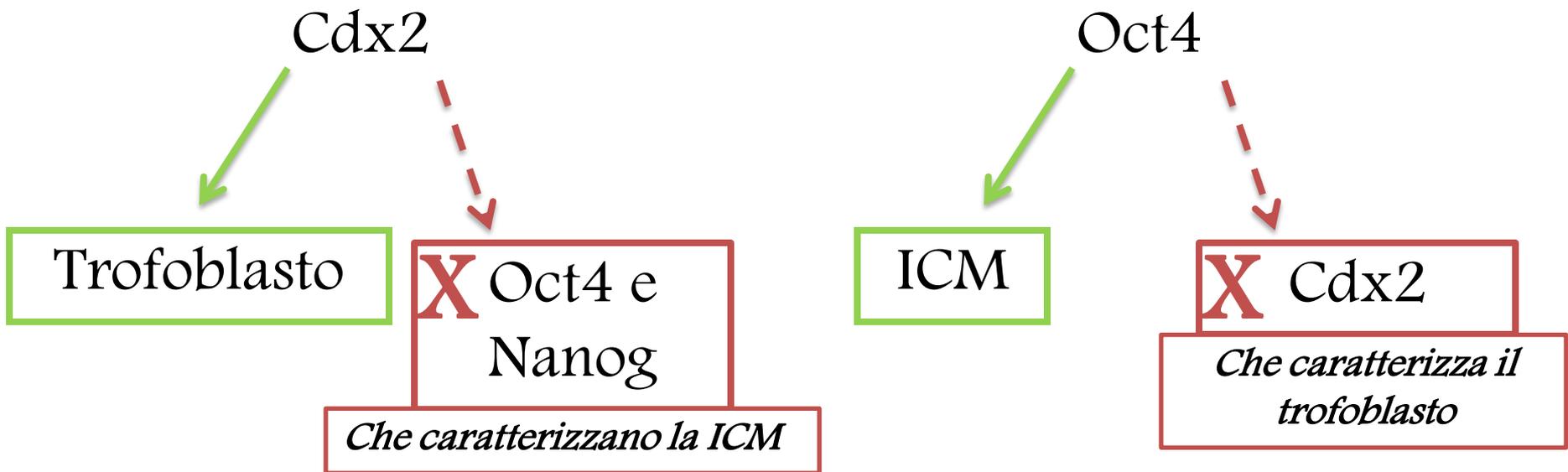
Compattazione

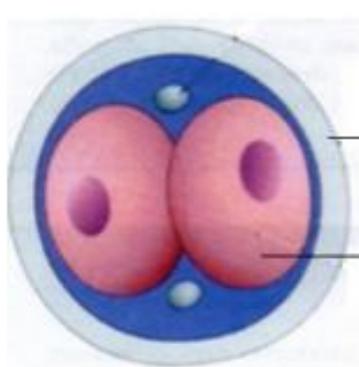
Morula

Blastocisti



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

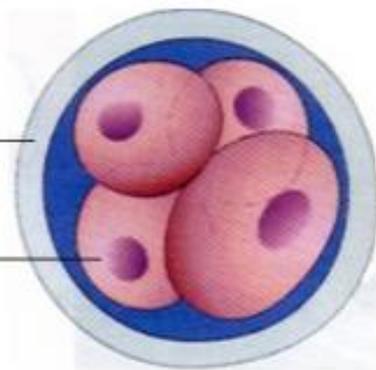




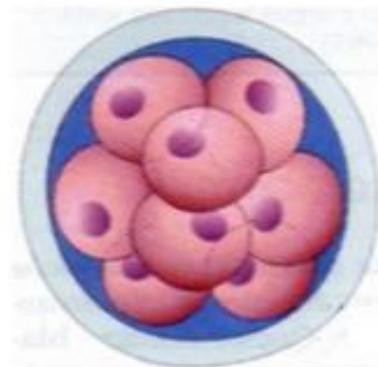
Stadio a 2 cellule

zona pellucida

blastomero

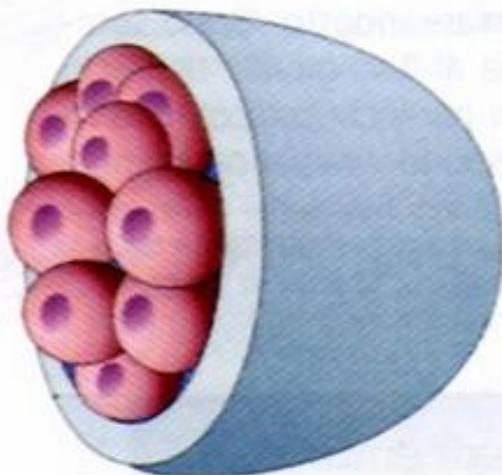


Stadio a 4 cellule



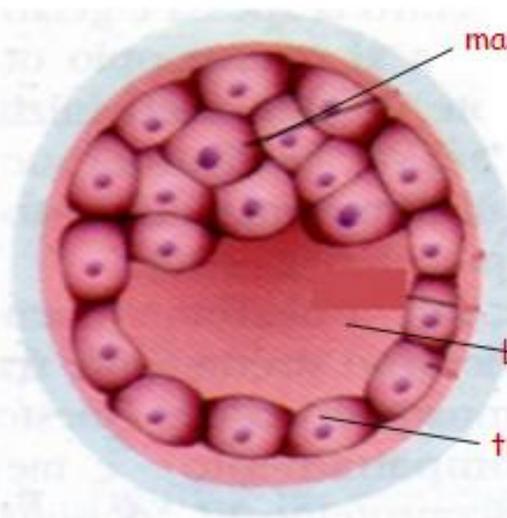
Stadio a 8 cellule

EMBRIONE



Stadio a 12-16 cellule

- MORULA -



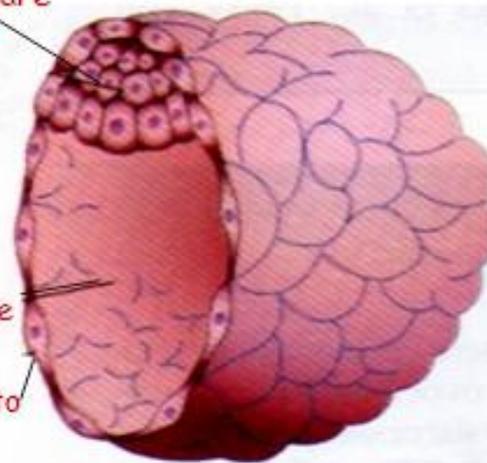
Stadio a 32-64 cellule

- BLASTOCISTI -

massa cellulare
interna

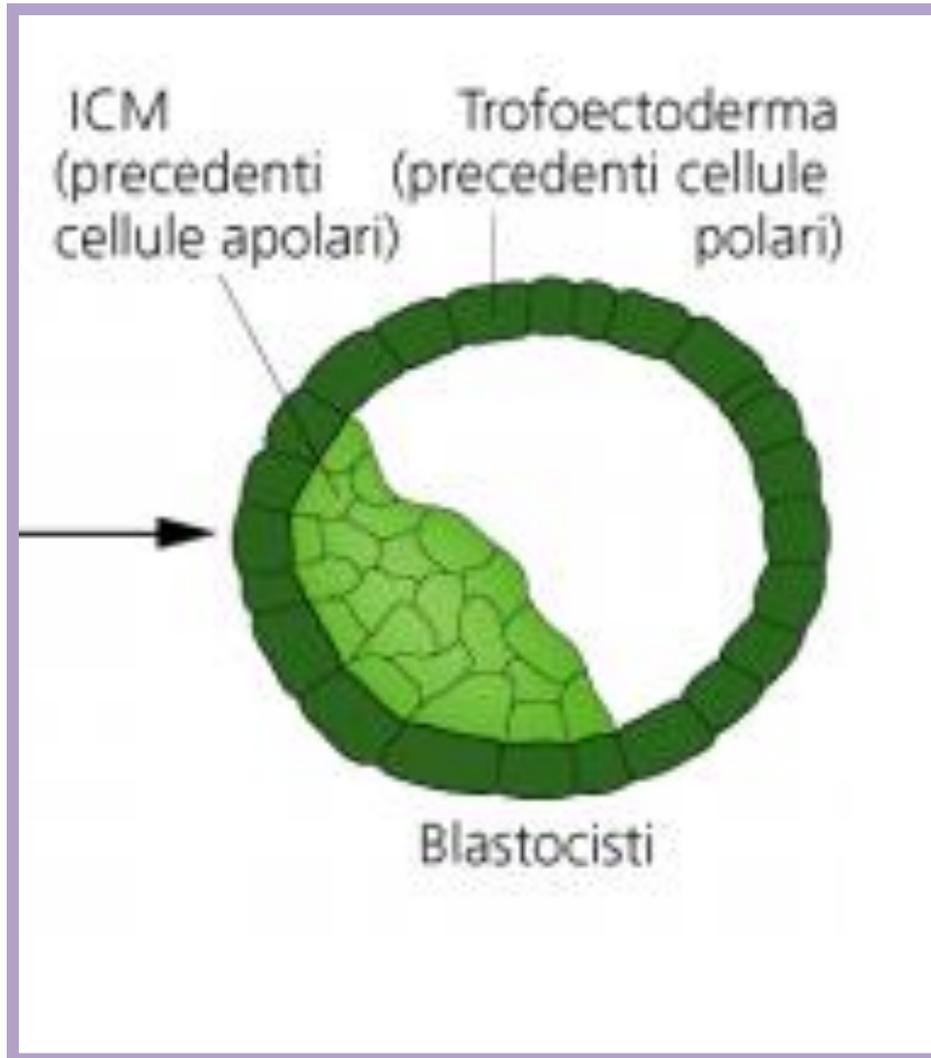
blastocoele

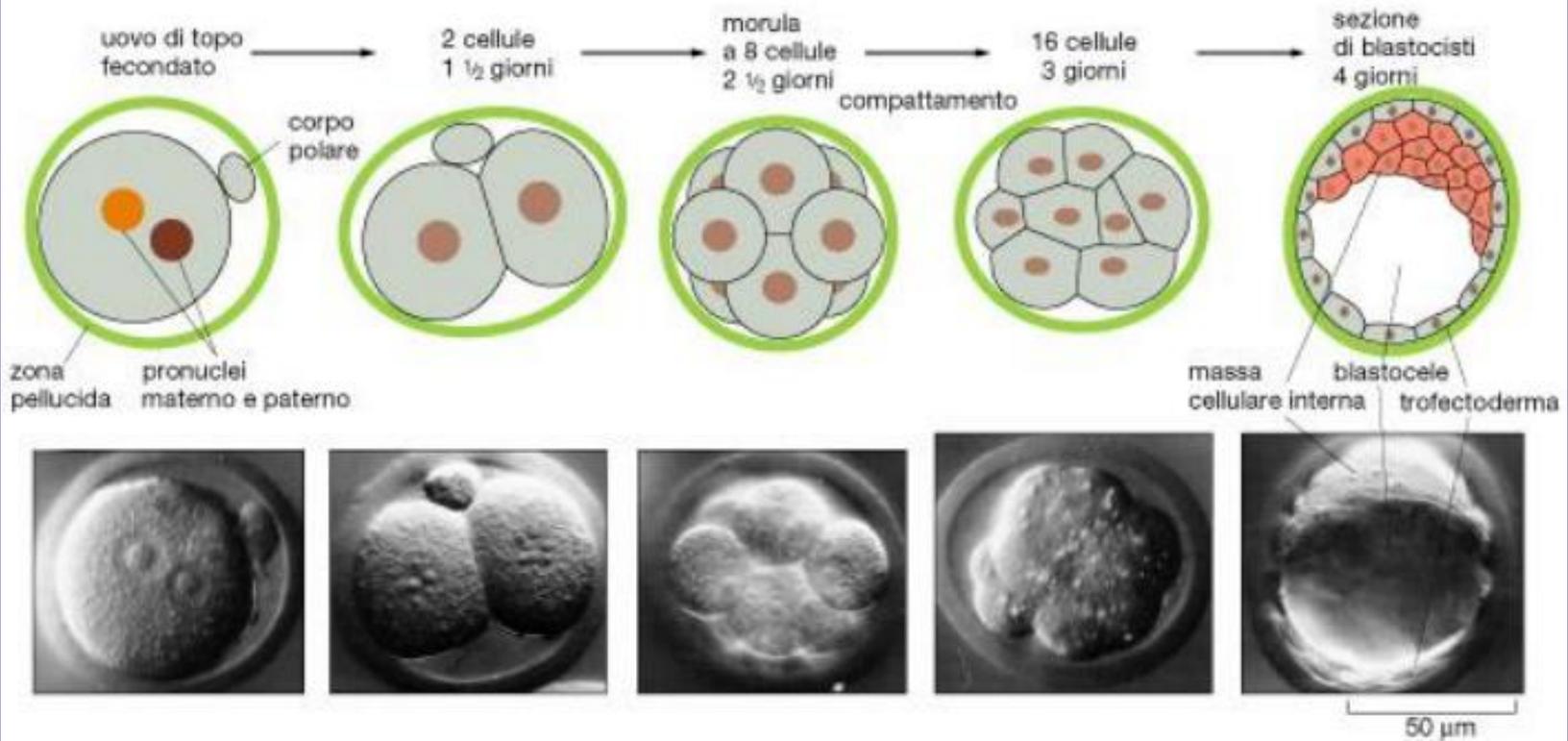
trofoblasto

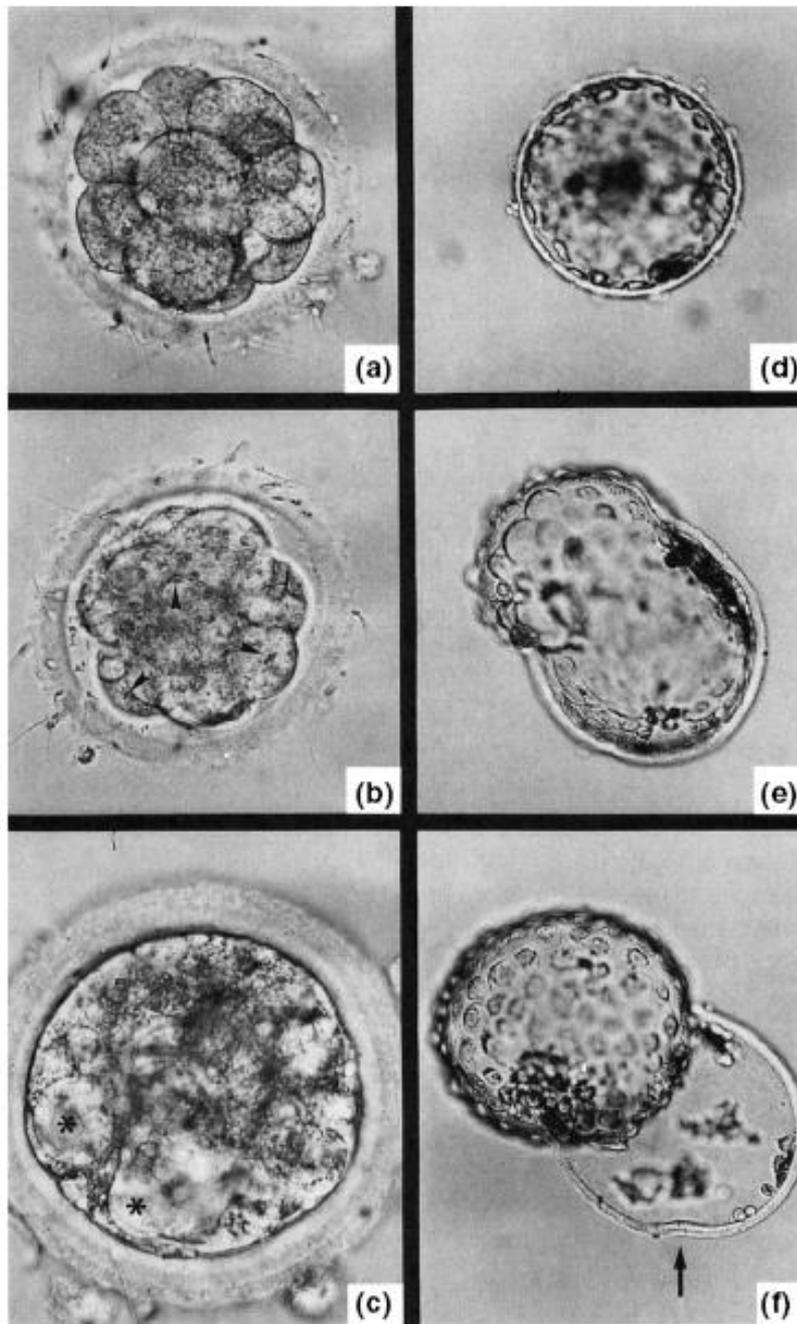


- BLASTOCISTI³ -

Cavitazione



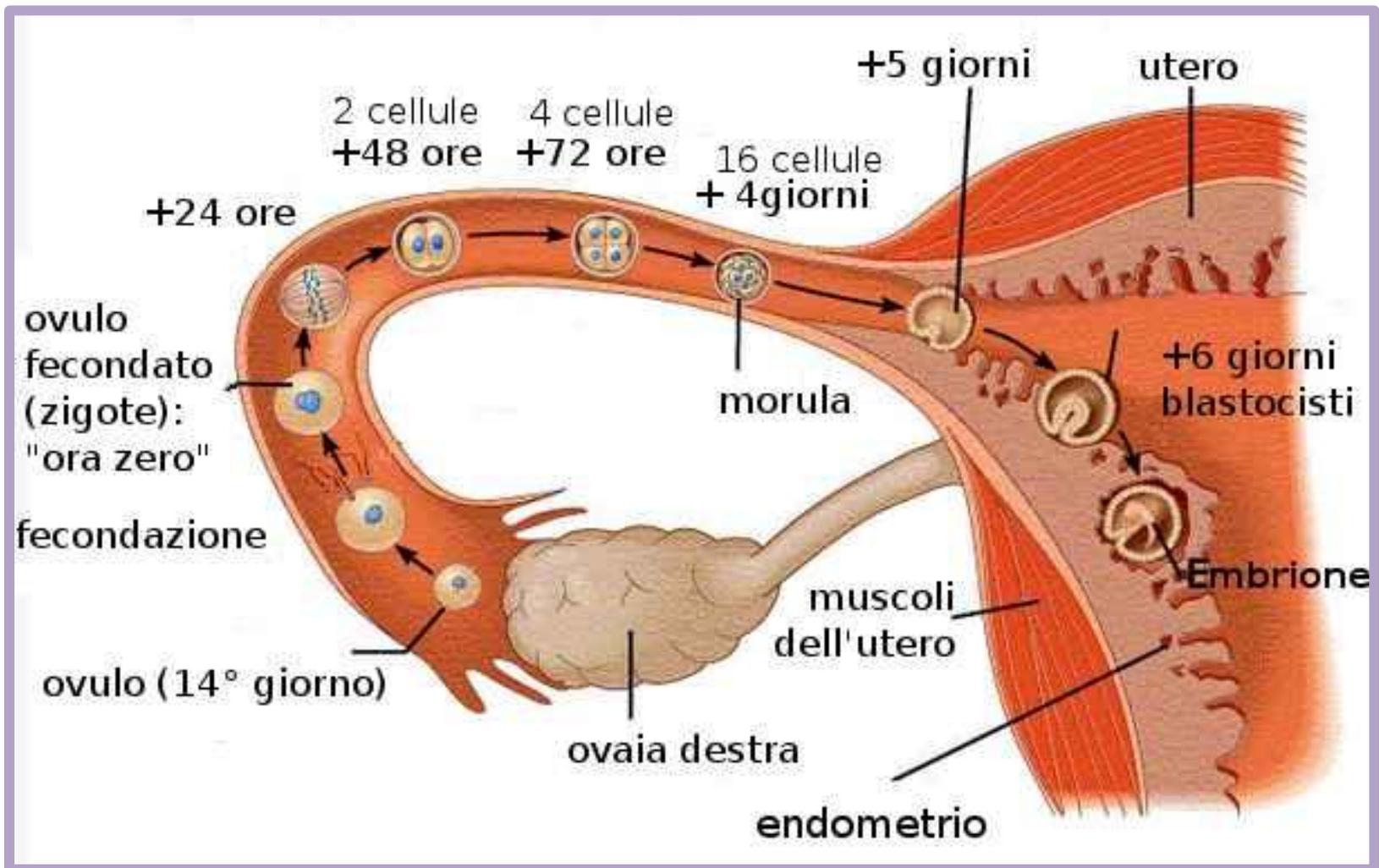




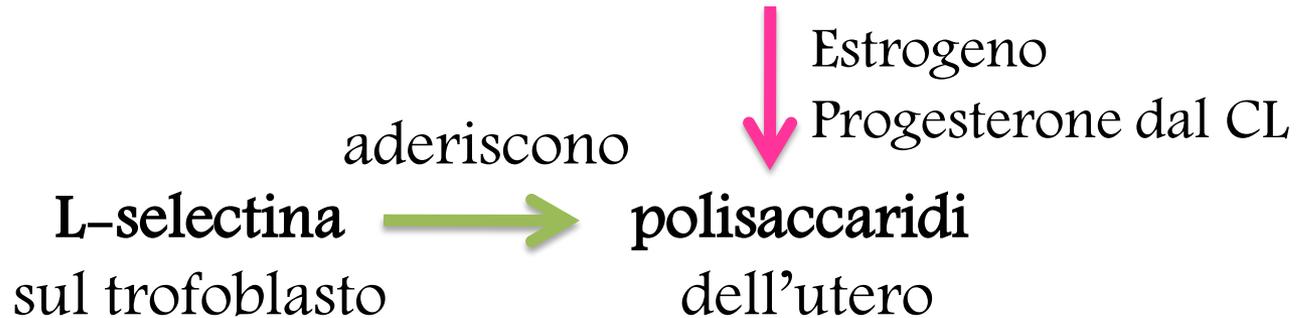
Estrusione dalla zona pellucida



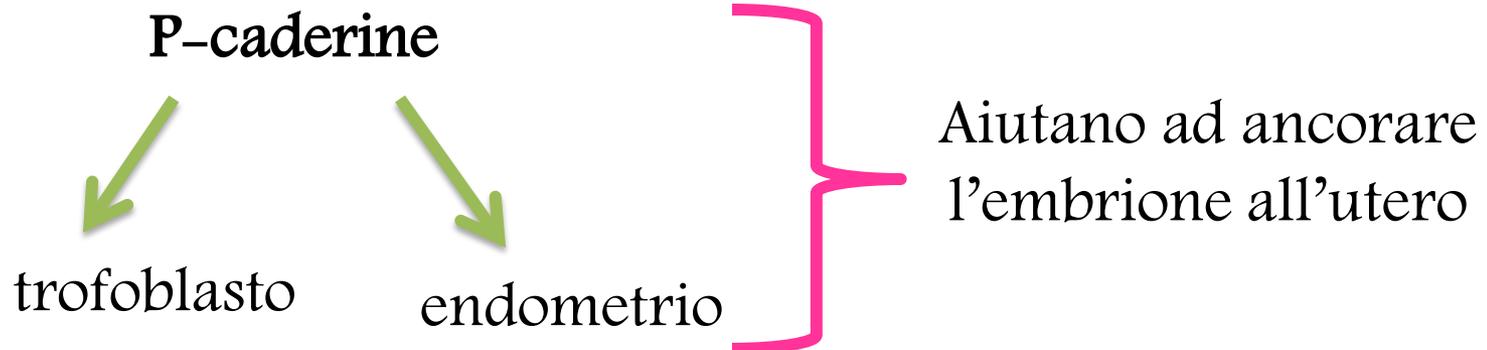
La blastocisti deve annidarsi nell'utero



L'impianto

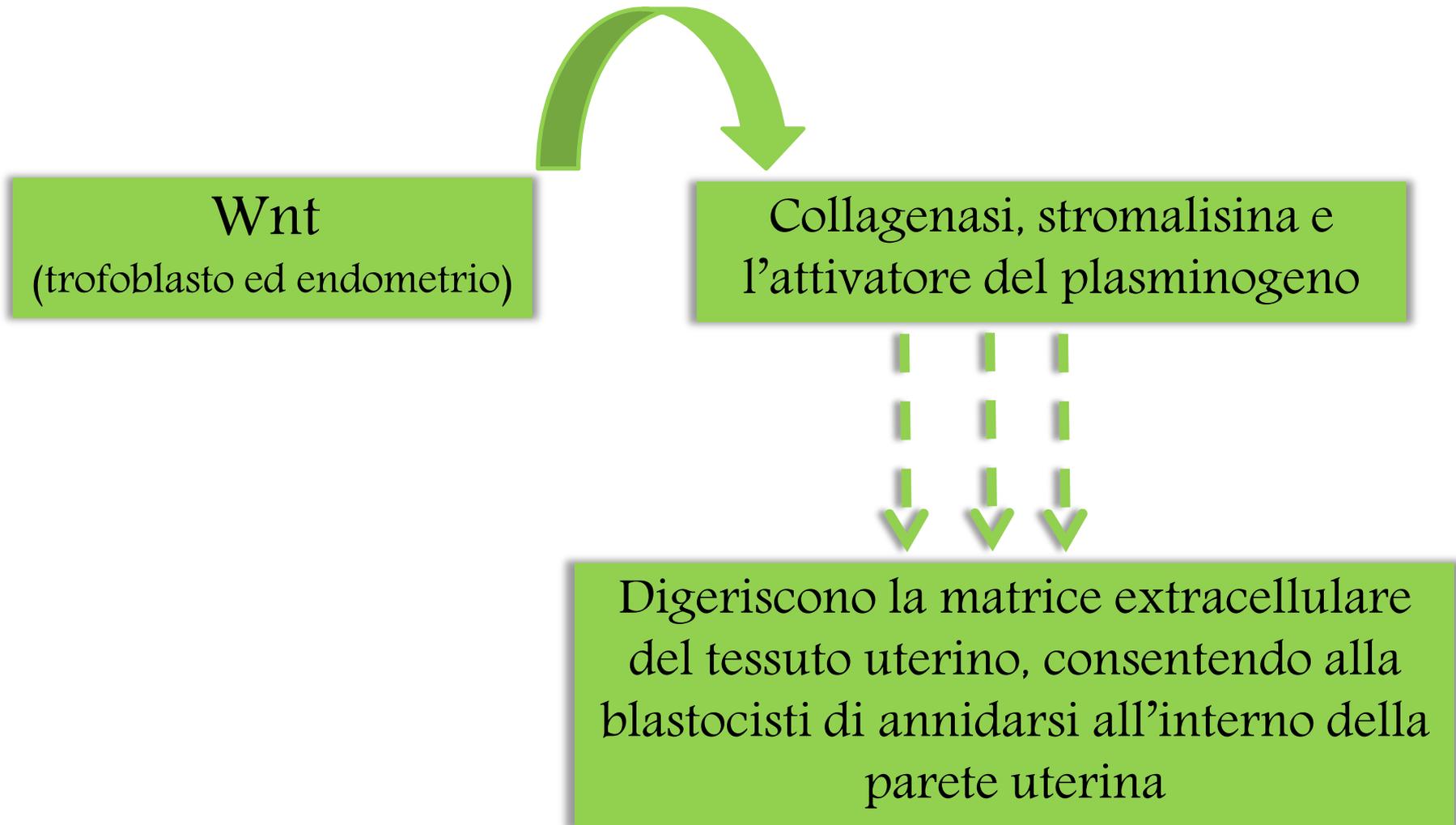


SUCCESSIVAMENTE



L'impianto

Stimola il trofoblasto



Tessuto uterino
(decidua)

Cavità
amniotica

Citotrofoblasto

Sinciziotrofoblasto
che prolifera
all'interno
del tessuto uterino

