



Centrosomes

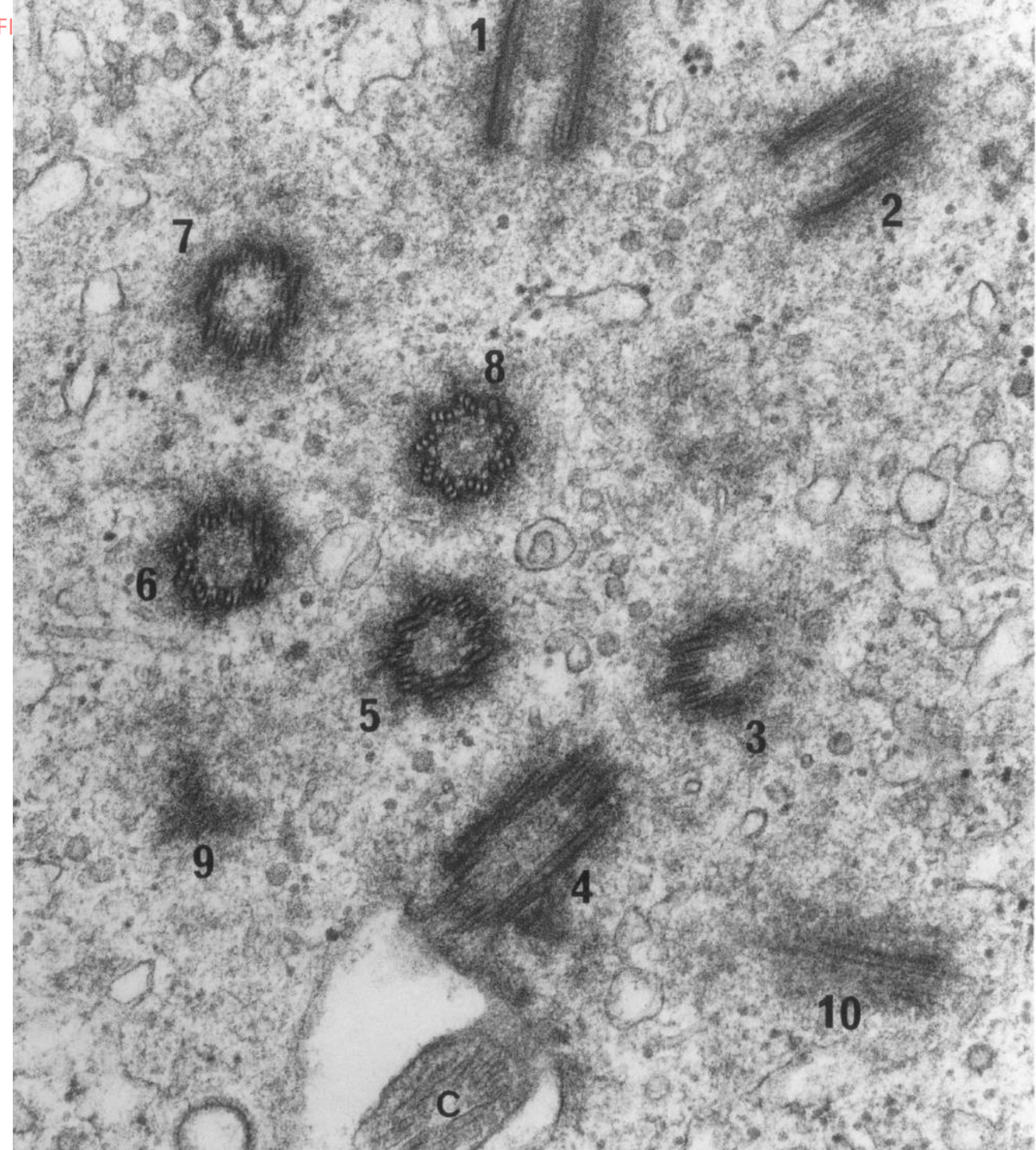
Previously Centrioles

Presented by Mark E Koina, 26 June 2025



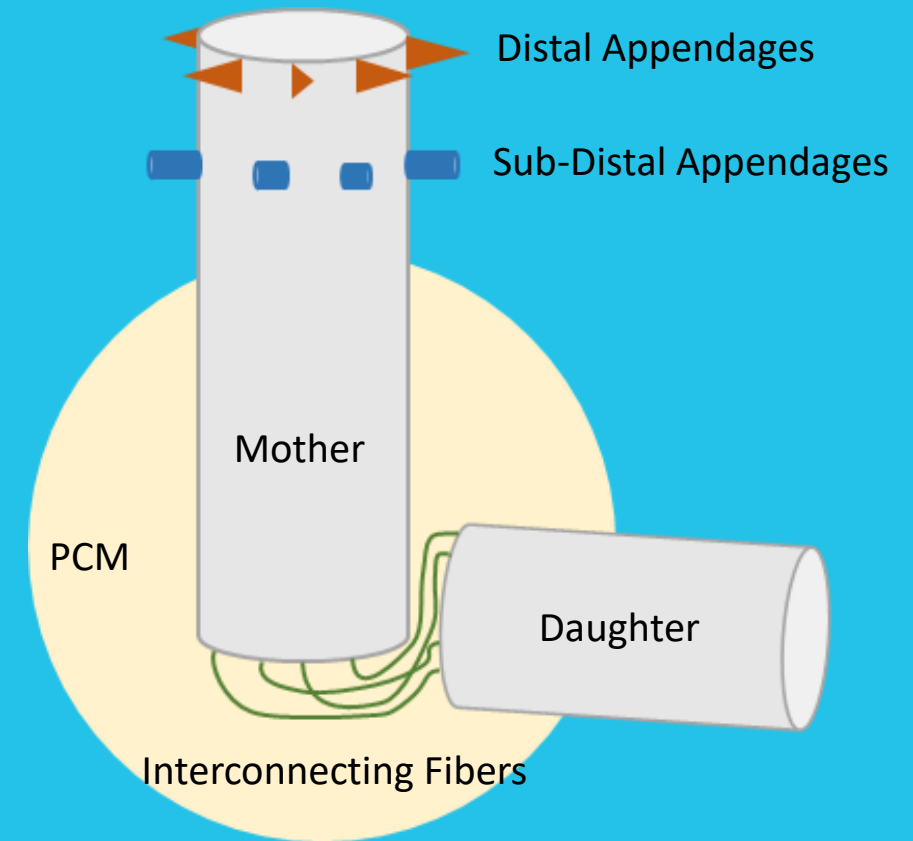


Location



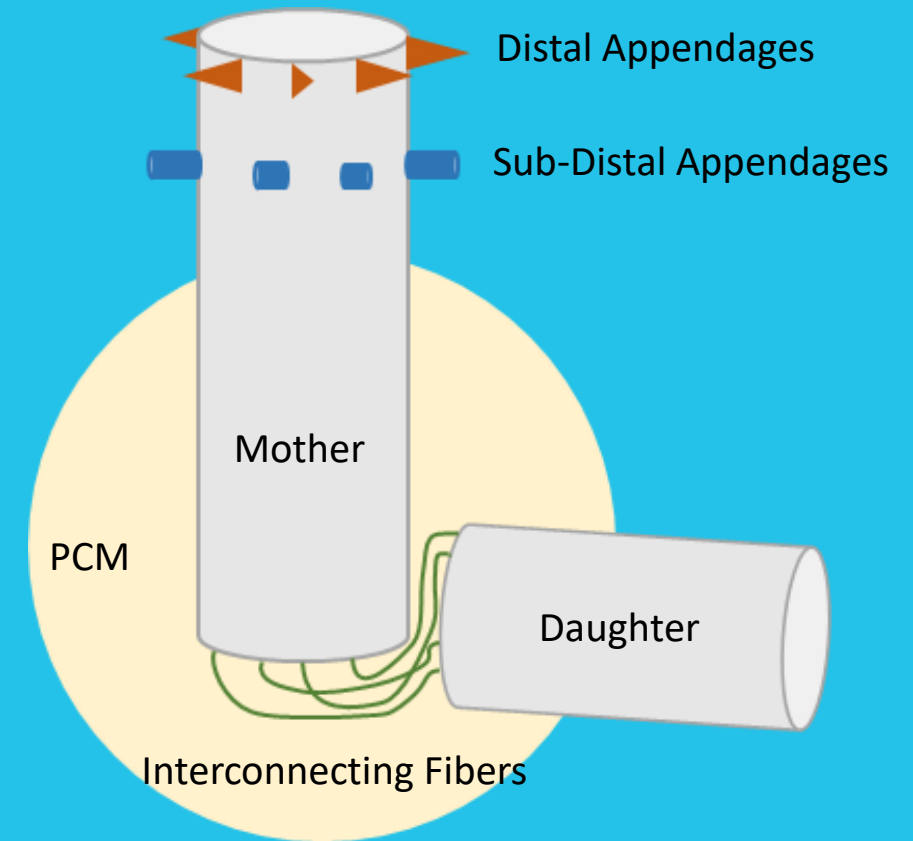
The Centrosome

How many distal and sub distal appendages are there?



The Centrosome

See Page 114 of our new edition for information on the appendages



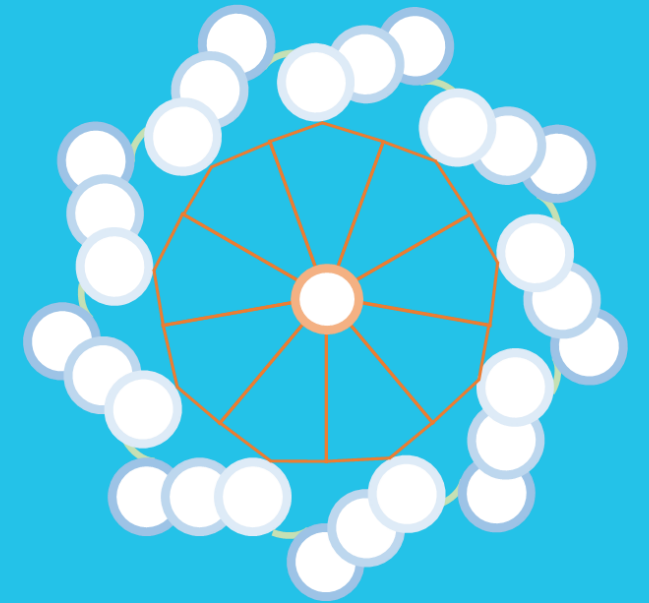
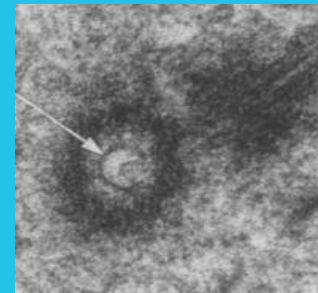
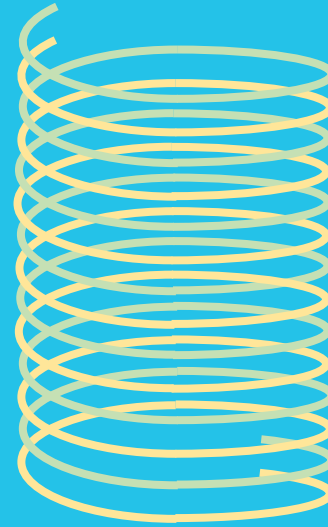
Inner structures

Cartwheel

Helices

Central Vesicle

**How much of the centriole
has helices?**



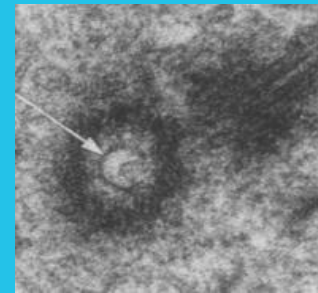
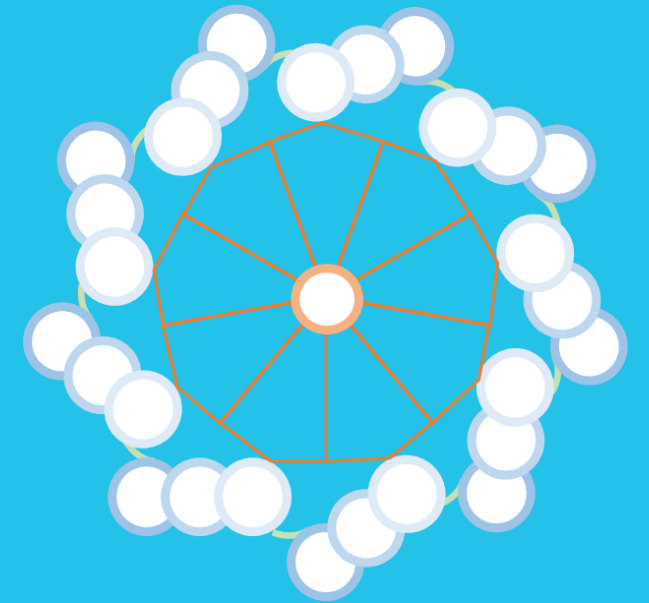
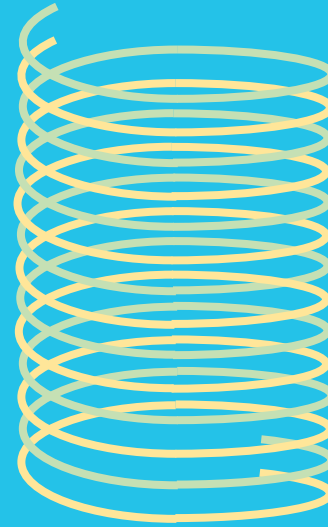
Inner structures

Cartwheel

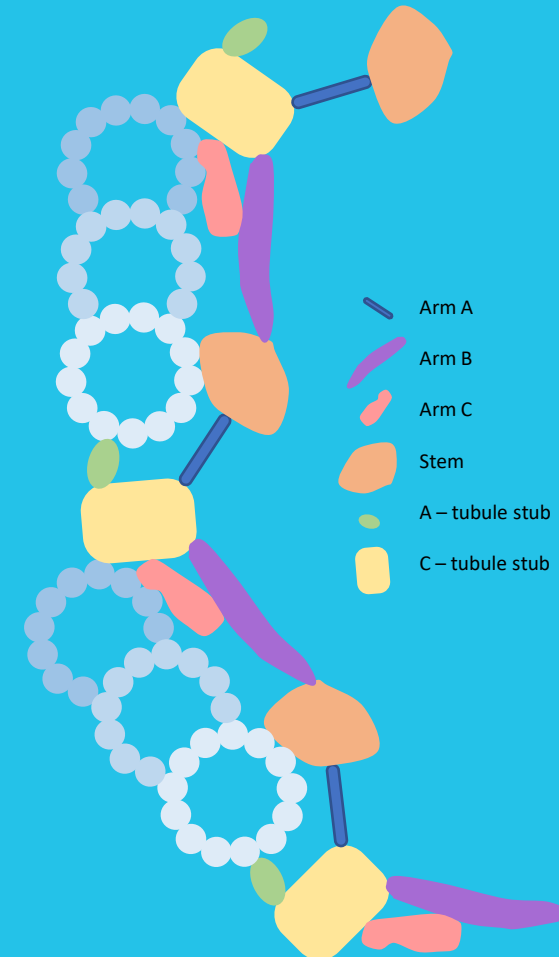
Helices

Central Vesicle

See Page 116 of our new
edition for information on the
appendages



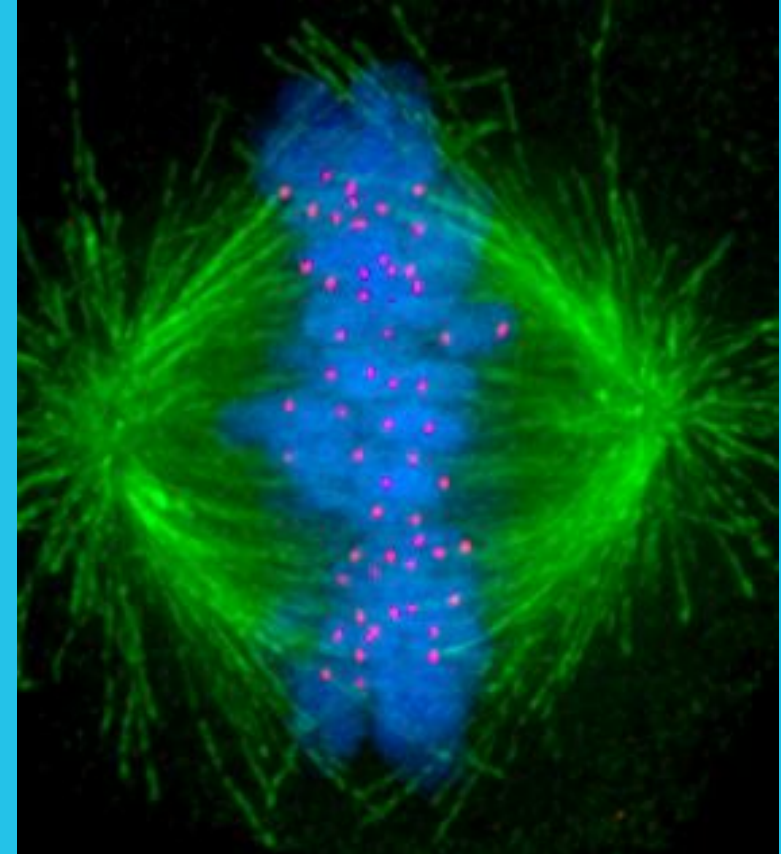
Tubule complexity





ROLE

MTOC – Cell Division







How centrioles replicate to form the basal bodies for cilia?

Is there nucleic acid in centrosomes?



See page 117 for the
answers to these questions.



Thankyou