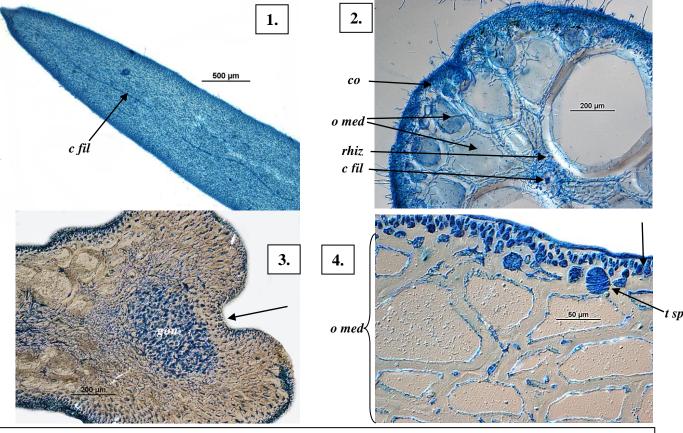


- 4. if possible, find sporangial plants with cigar-shaped tetrasporangia scattered near the surface, divided across into four sporangia (zonate), originating between cortical cells

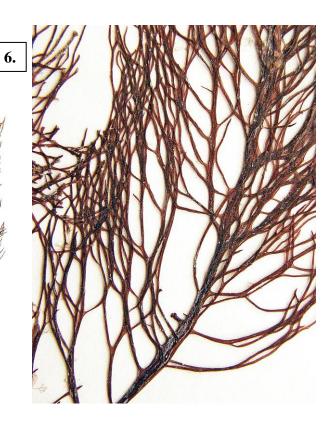


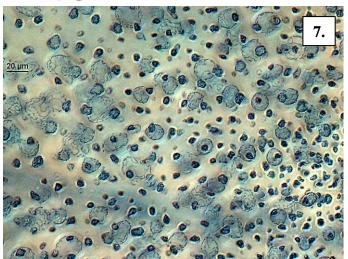


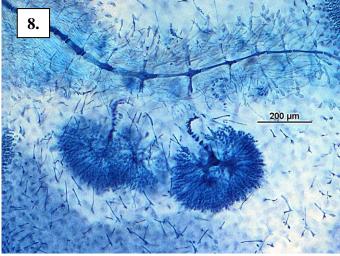
Mychodea carnosa stained blue and viewed microscopically

- 1. surface view of a branch tip with central thread (*c fil*) visible (slide 18298).
- 2. cross section: innermost central thread (c fil) surrounded by rhizoids (rhiz); large, thick-walled cells of the outer medulla (o med); small cells of the outermost layers (cortex, co) (slide 15795)
- 3. lengthwise section through a cystocarp with developing tissue (gonimoblast, gon), and dimpled cortex (arrowed) (slide 3704)
- 4. cross section of the outer part of a sporangial plant: developing tetrasporangium (arrowed) between 2 cortical cells (intercalary) and a mature sporangium (t sp) divided across (zonately) (A44685 slide 3705)









- 5, 6. two magnifications of *Mychodea carnosa* Hooker & Harvey (A33514), 15m deep at Tapley Shoal, S Australia
- surface view of cells of a specimen stained blue and viewed microscopically showing vague rings (rosettes) of small surface cells around underlying larger ones (A18298)
- 8. tissue squash of a two female structures (carposporophytes) adjacent to the central thread of a branch. Each cell of the central thread shows pairs of opposite, thin, radiating cells (periaxial cells) (slide 18298)
- 9. preserved (bleached) female specimen (A44685) showing dimpled, terminal cystocarps (arrowed)

