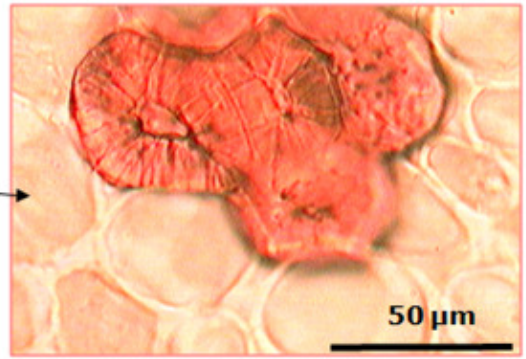
TEJIDOS DE SOSTÉN

COLÉNQUIMA Y ESCLERÉNQUIMA

Ñandipá ra *(Hennecarthia omphalandra J. Poiss.)*



Detalle de **braquiesclereidas** en el parénquima colenquimatoso de la corteza

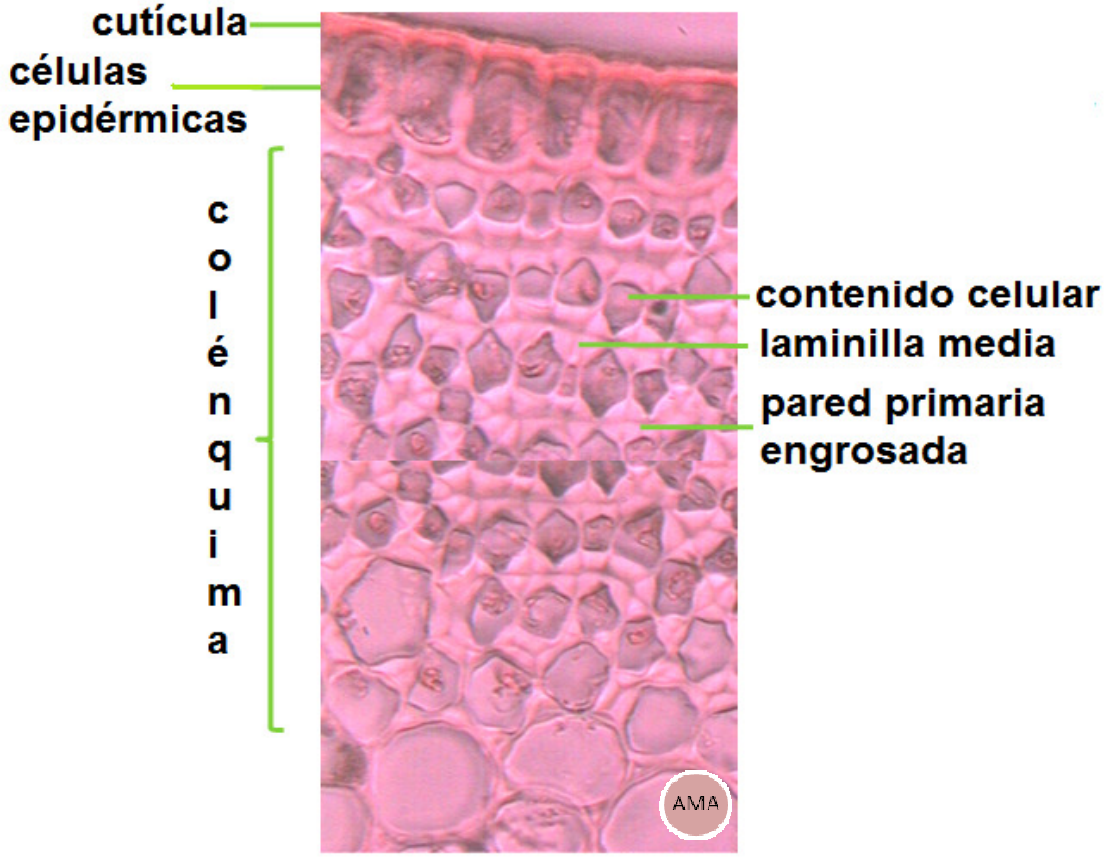
Pecíolo (CT): parénquima colenquimatoso con grupos de **braquiesclereidas** y el arco de floema y xilema en posición medular

Preparado realizado por M. Cecilia Novoa

AMA

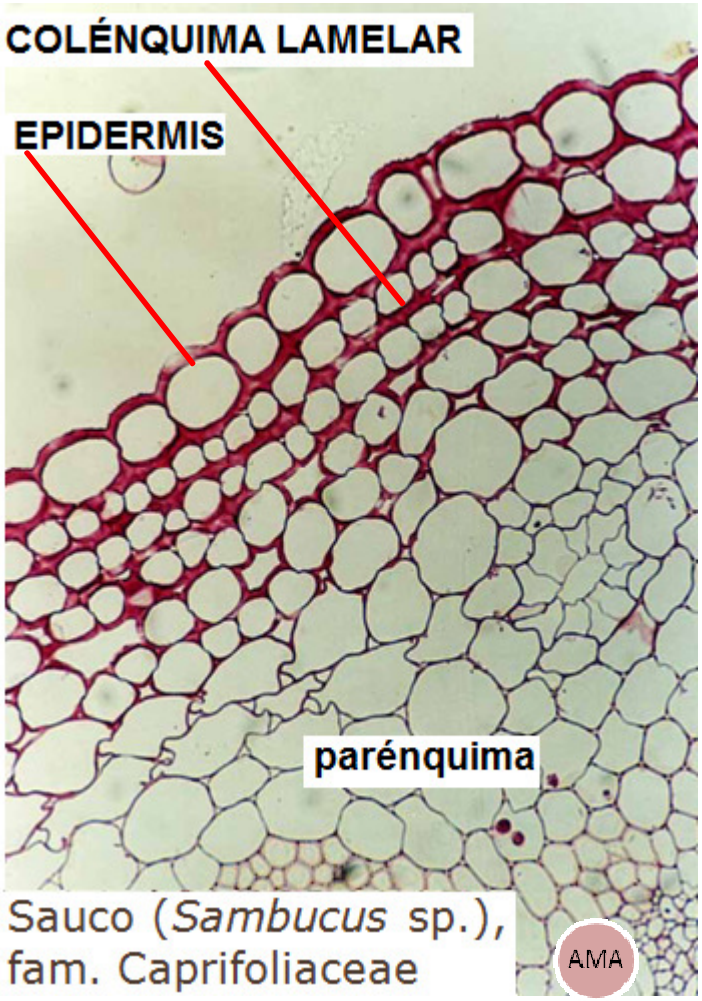
TIPOS DE COLÉNQUIMA

COLÉNQUIMA ANGULAR
en pecíolo de ombú (CT)

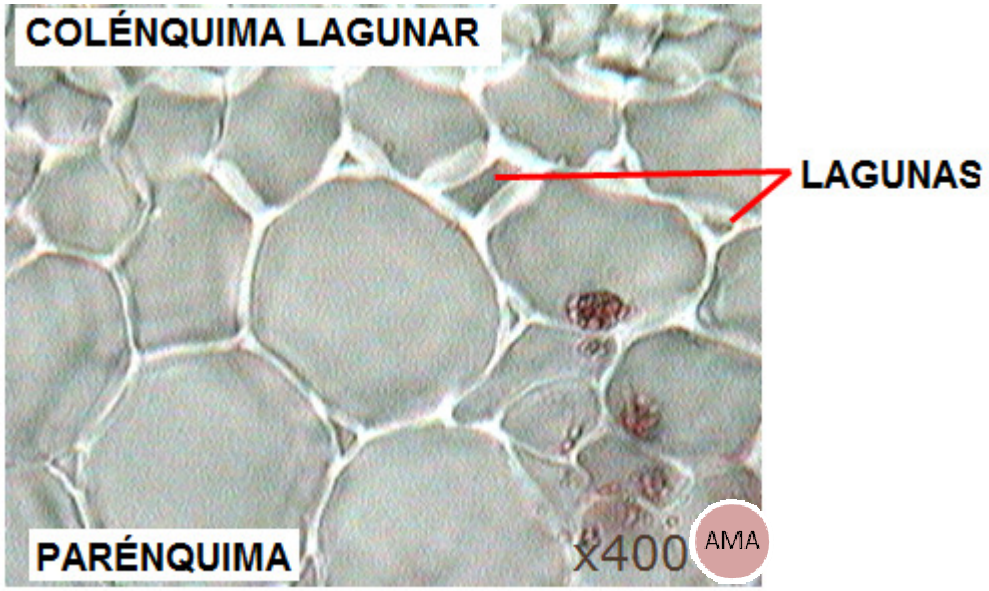


AMA

TIPOS DE COLÉNQUIMA



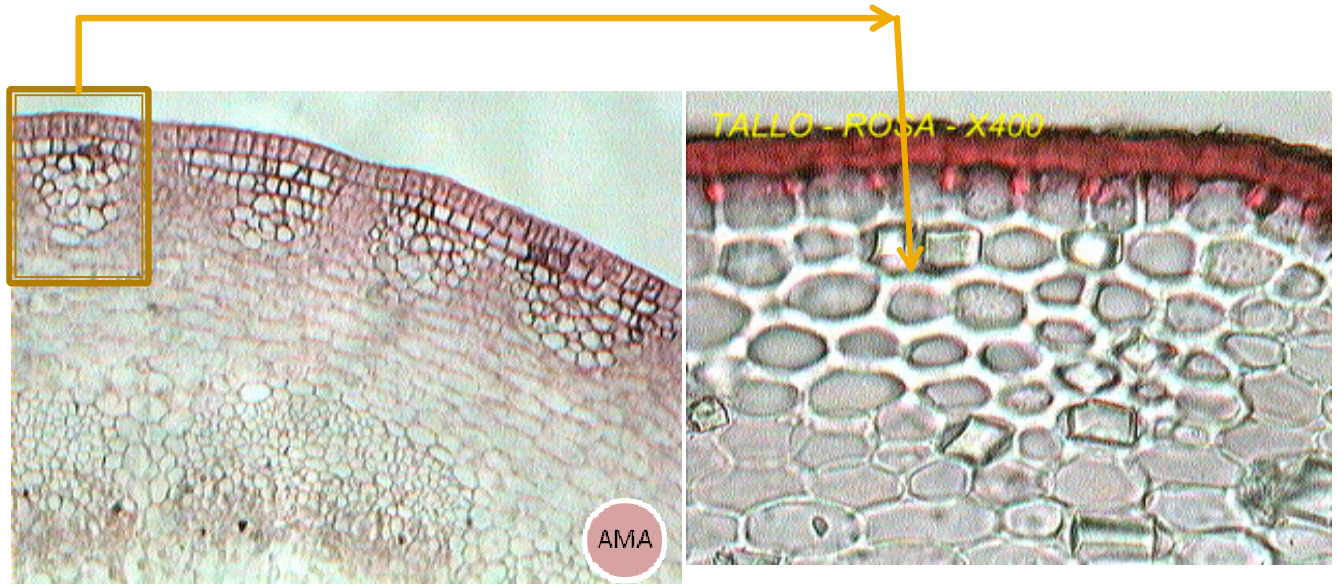
Sauco (*Sambucus* sp.), fam. Caprifoliaceae



Sunchillo (*Wedelia glauca*) fam. Asteraceae

AMA

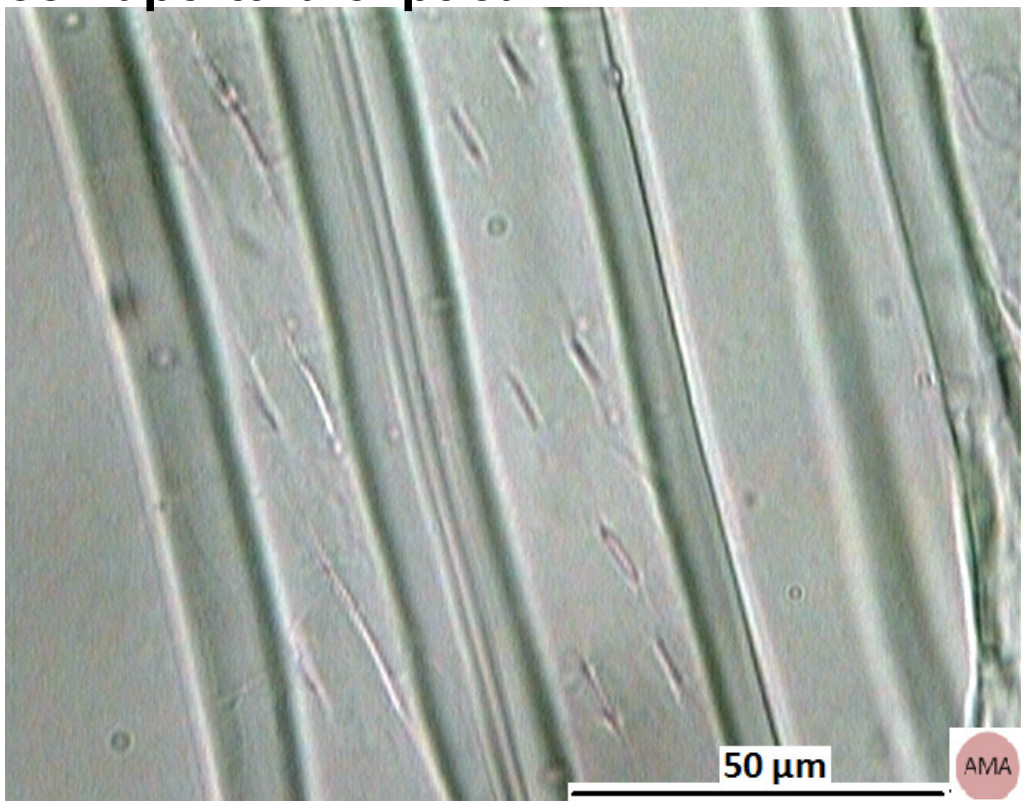
UBICACIÓN SUBEPIDÉRMICA DEL COLÉNQUIMA



Colénquima angular con tendencia a masivo dispuesto en cordones, en posición subepidérmica en tallo de Rosa

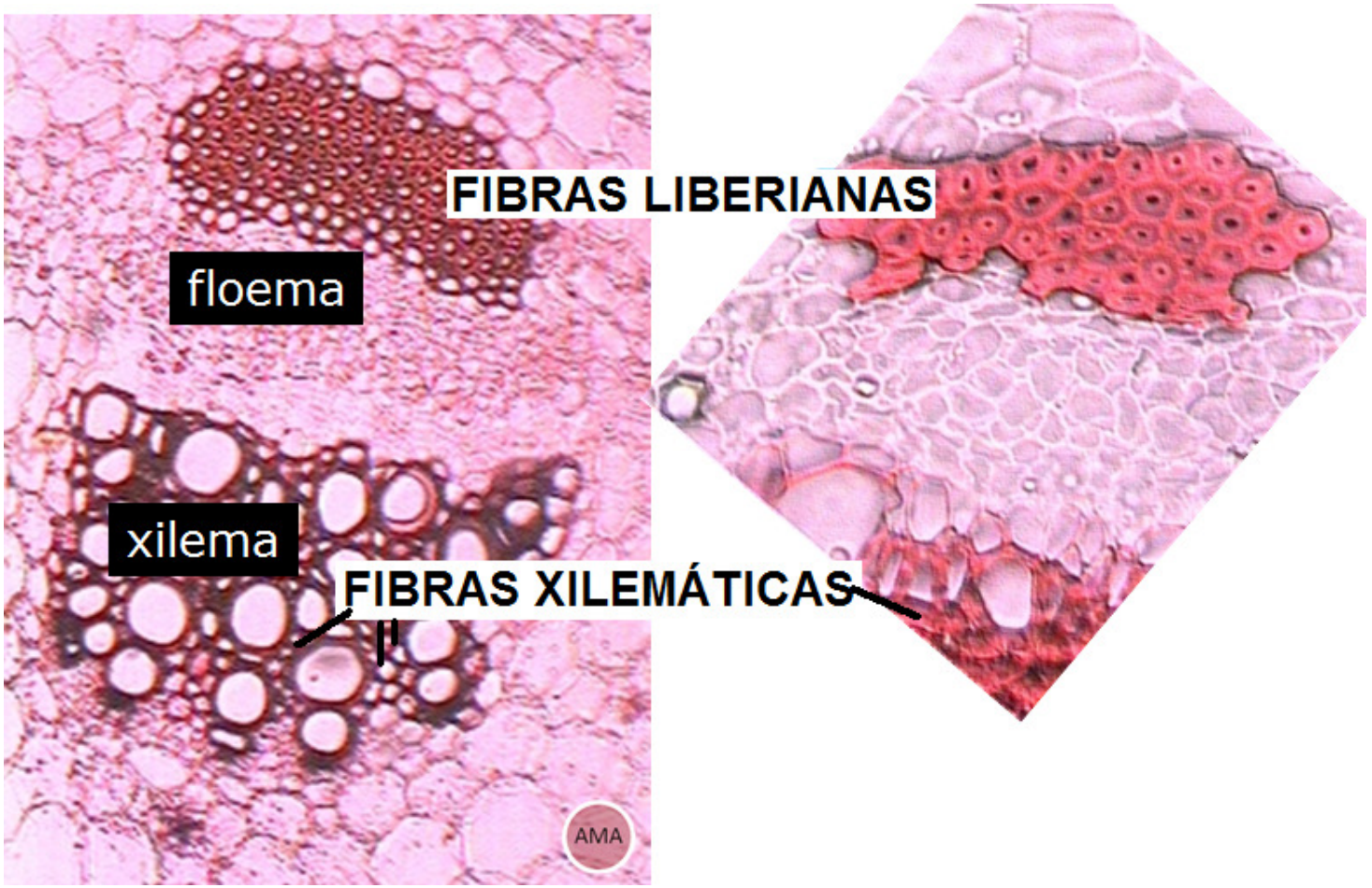
ESCLERÉNQUIMA: FIBRAS

Células fusiformes en corte longitudinal, comunicación por pares de punteaduras con apertura elíptica

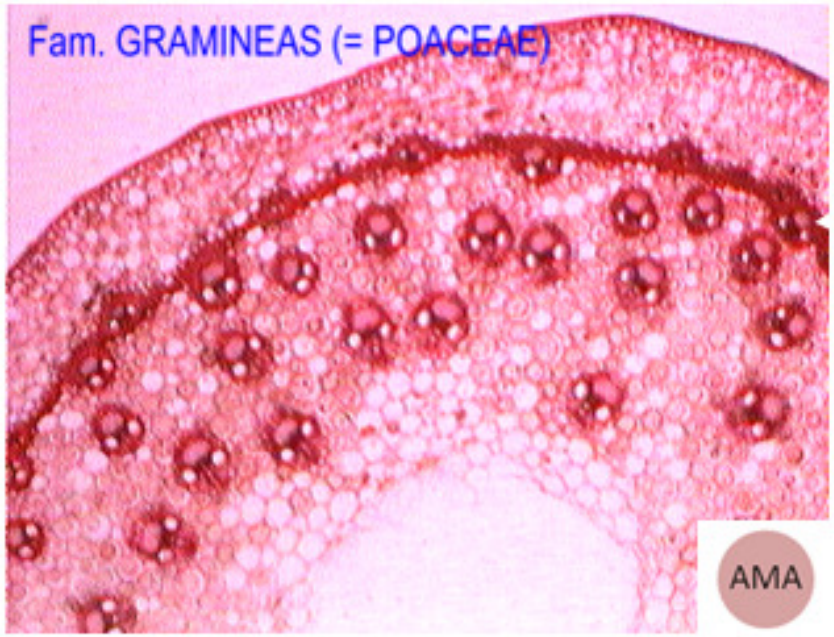


AMA

ESCLERÉNQUIMA: FIBRAS



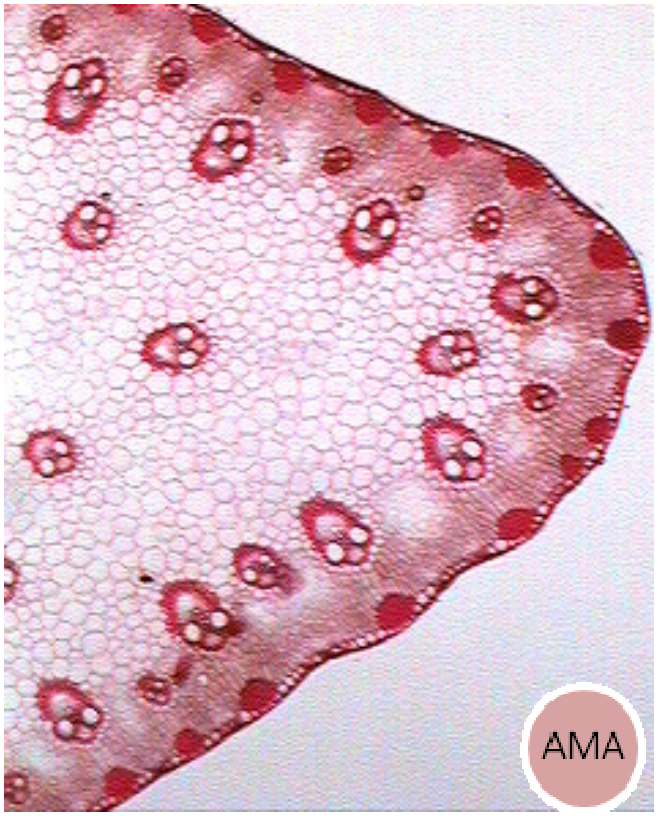
ESCLERÉNQUIMA: ANILLO CORTICAL



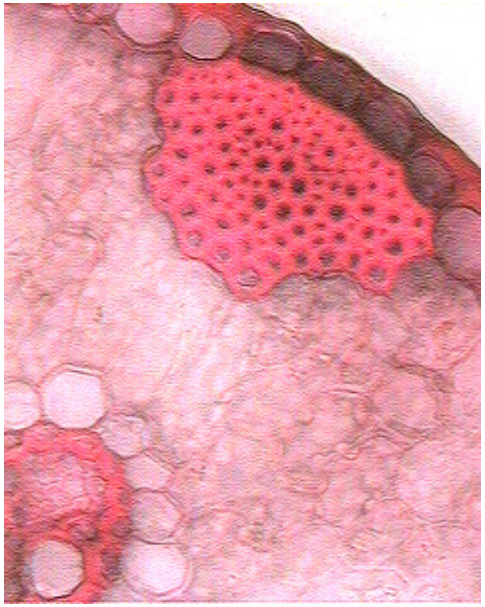
Corte transversal de tallo De kikuyo (*Pennisetum* sp.) fam. Poaceae

AMA

ESCLERÉNQUIMA: casquetes de fibras subepidérmicos

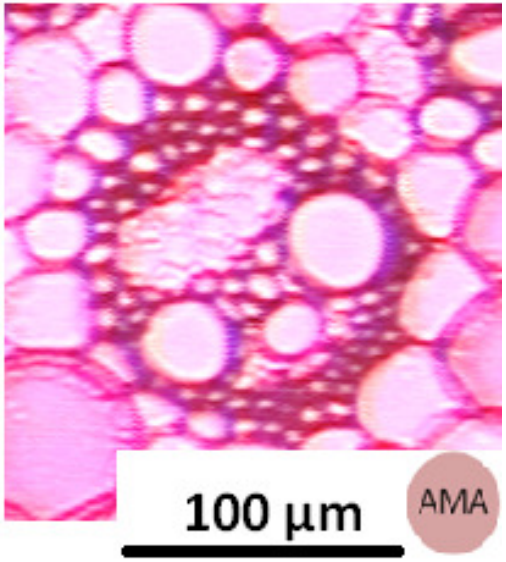


Corte transversal de tallo de *Cyperus* sp.
fam. Cyperaceae



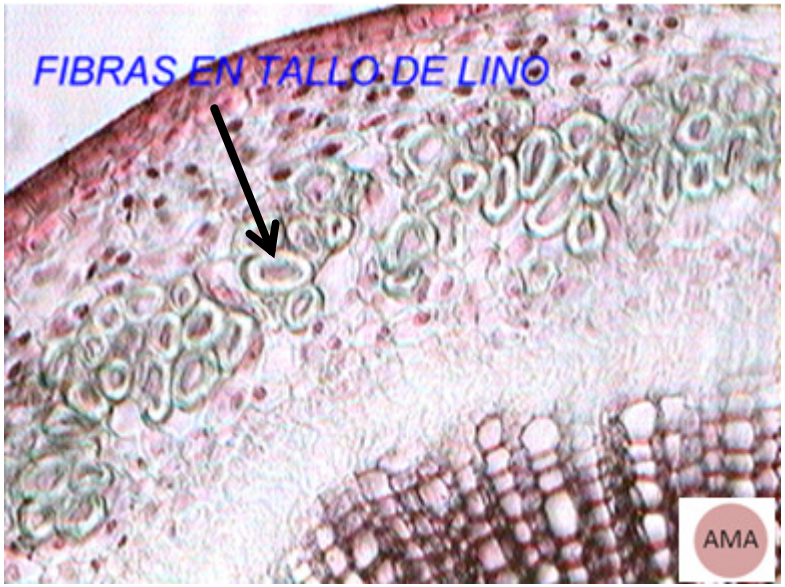
AMA

ESCLERÉNQUIMA: vaina de fibras



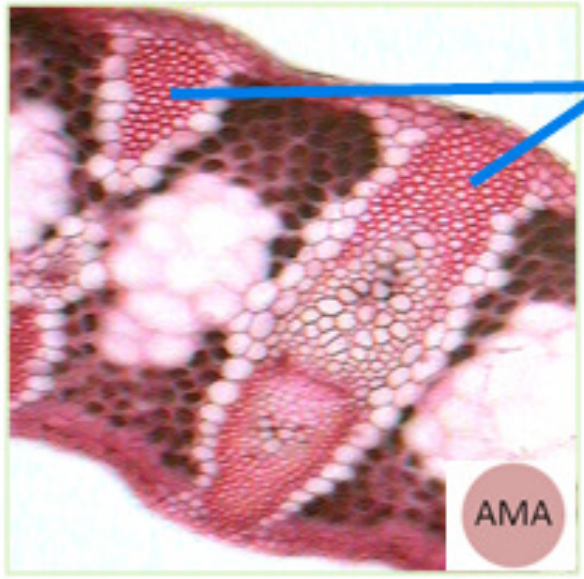
Haz rodeado por una vaina de fibras

Clase Dicotiledóneas, fibras blandas



Clase Monocotiledóneas, fibras duras

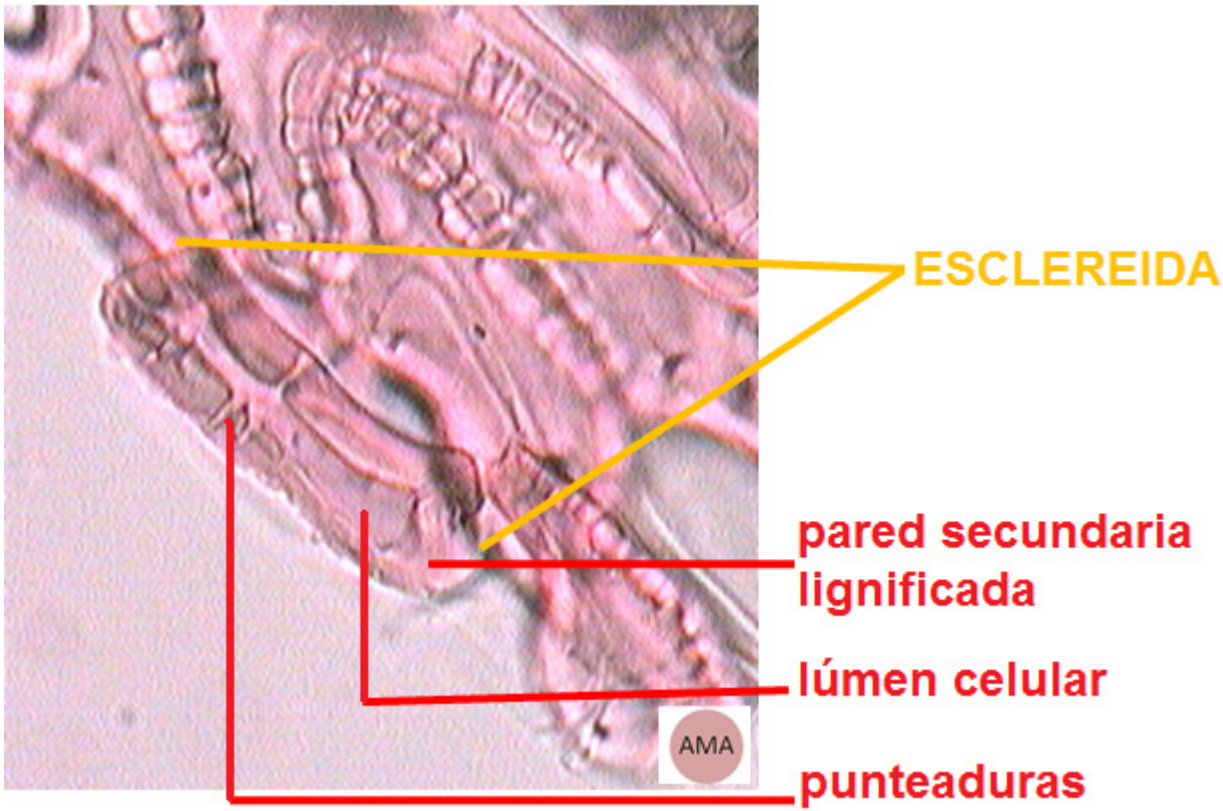
FIBRAS DURAS
hoja de formio (CT)



AMA

Esclerénquima: esclereidas

Esclereida en el endocarpo del fruto de *Senna* sp. (Fabaceae)

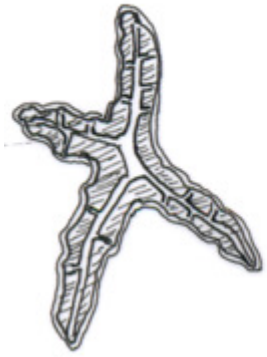


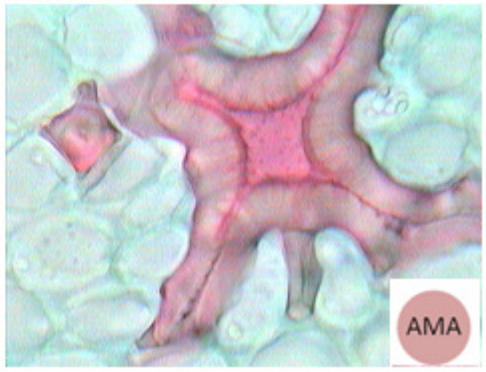
AMA

Clasificación de esclereidas

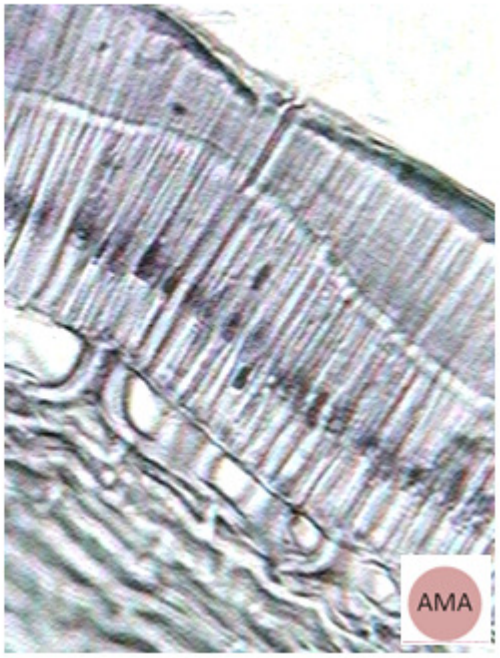
braquiesclereida

astroesclereida





macroesclereidas
y osteoesclereidas



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