Meninges

ARACHNOID

LILIEQUIST MEMBRANE
- arachnoid membrane.
- attachments: from diaphragma sellae to anterior edge of mammillary body and laterally attached to CN III.
- separates three cisterns:
  1) chiasmatic cistern – LM forms floor for this cistern
  2) perimesencephalic (interpeduncular) cistern – LM forms “curtain” for this cistern
  3) preoptic cistern – LM forms roof for this cistern
- LM separates supratentorial and infratentorial CSF compartments.
- very thin - not routinely visualized in imaging studies (can be visualized on MRI CISS heavily T2 weighted 3D sequences).
- described by Key and Retzius in 1875, but rediscovered by Liliequist in 1956 in his pneumoencephalographic studies of cadavers.

D - diencephalic section, M - mesencephalic section, S - sellar segment.
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