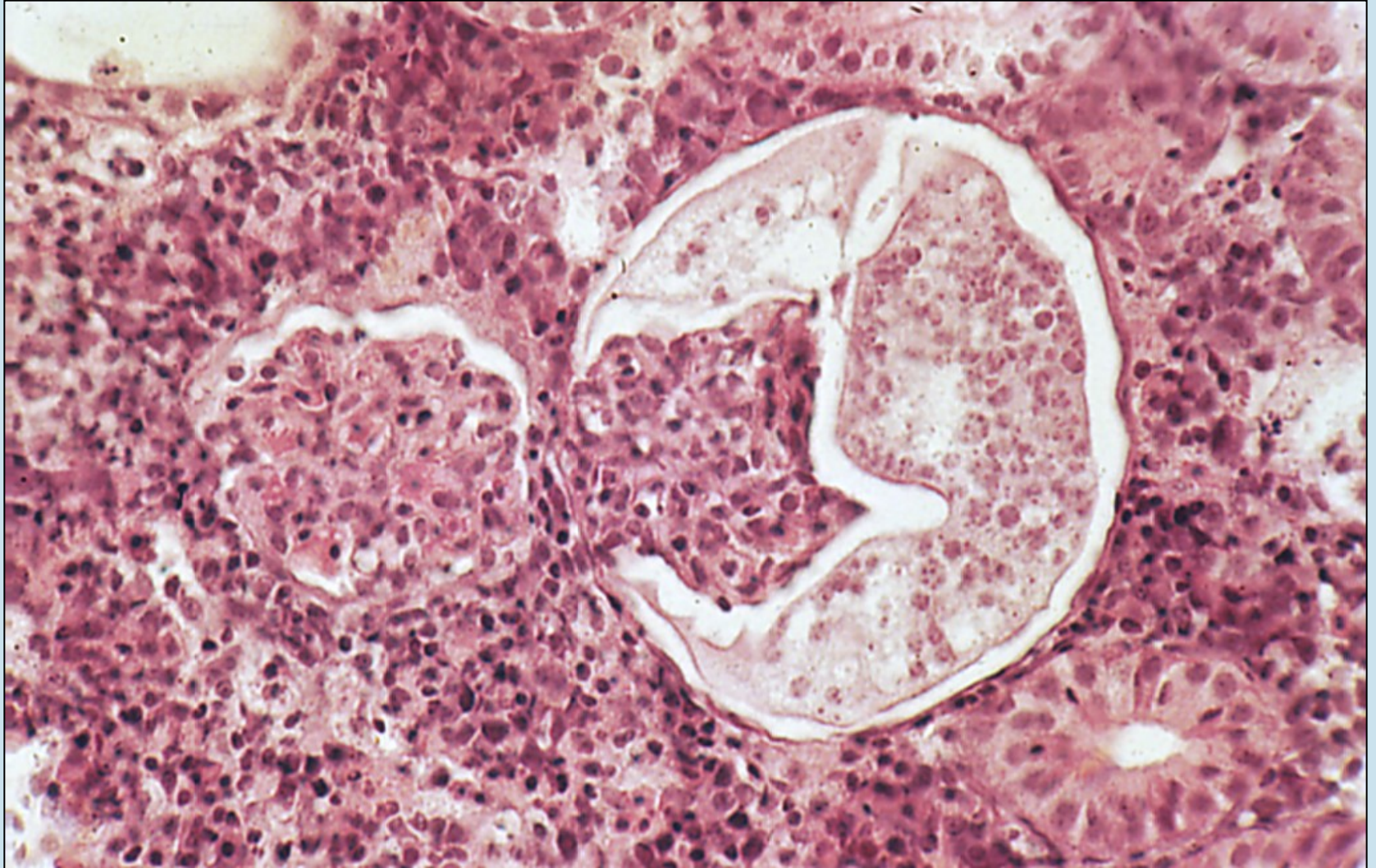


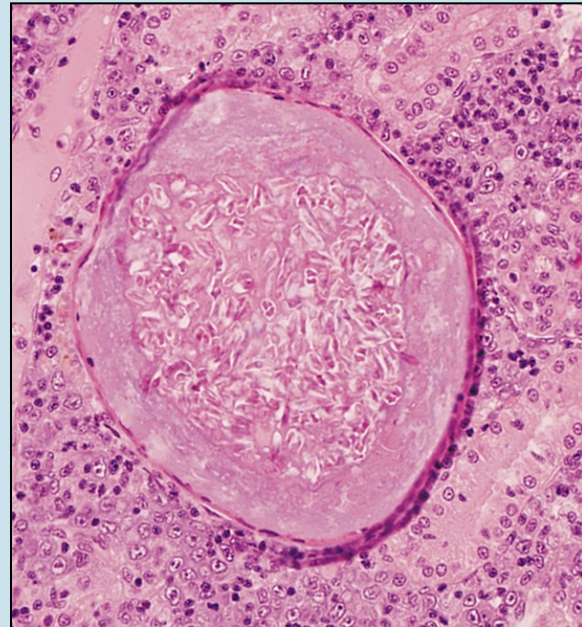
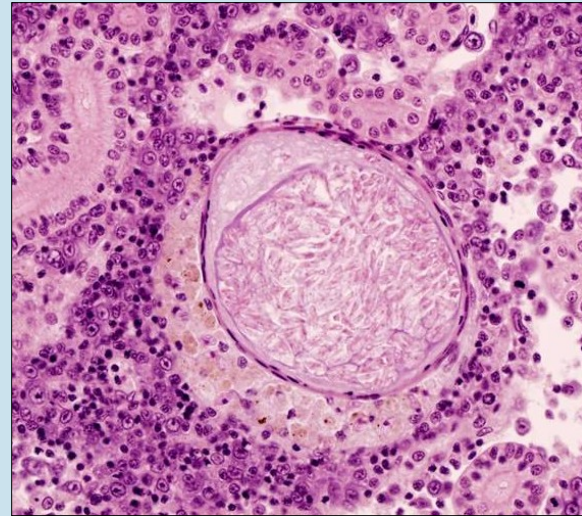
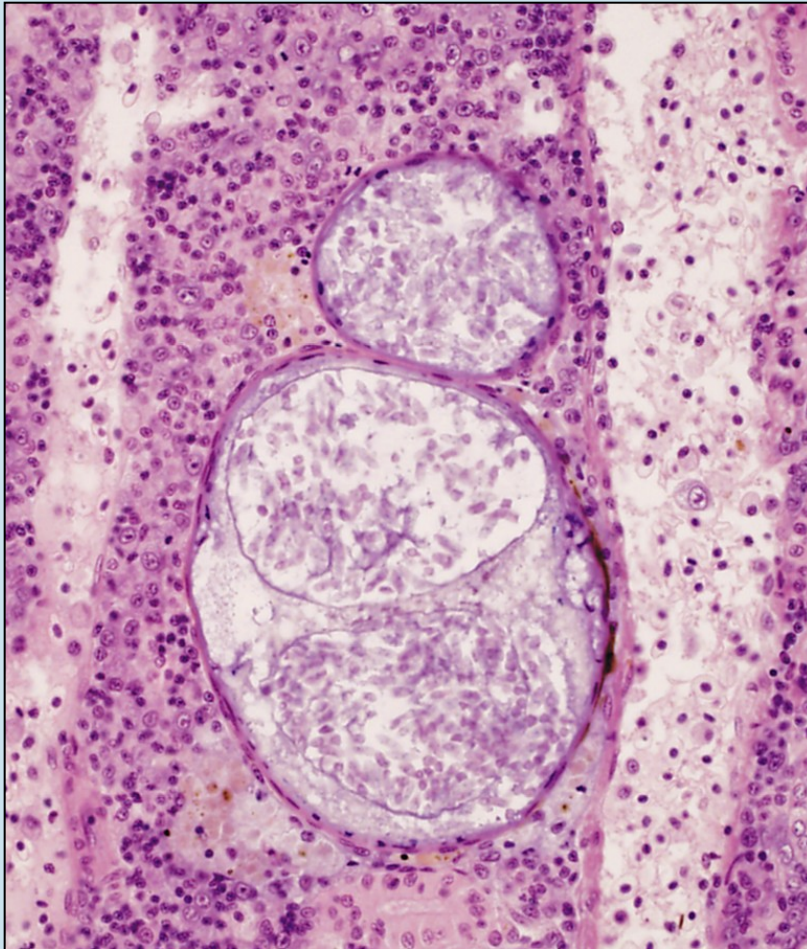
Speciální patologie ryb

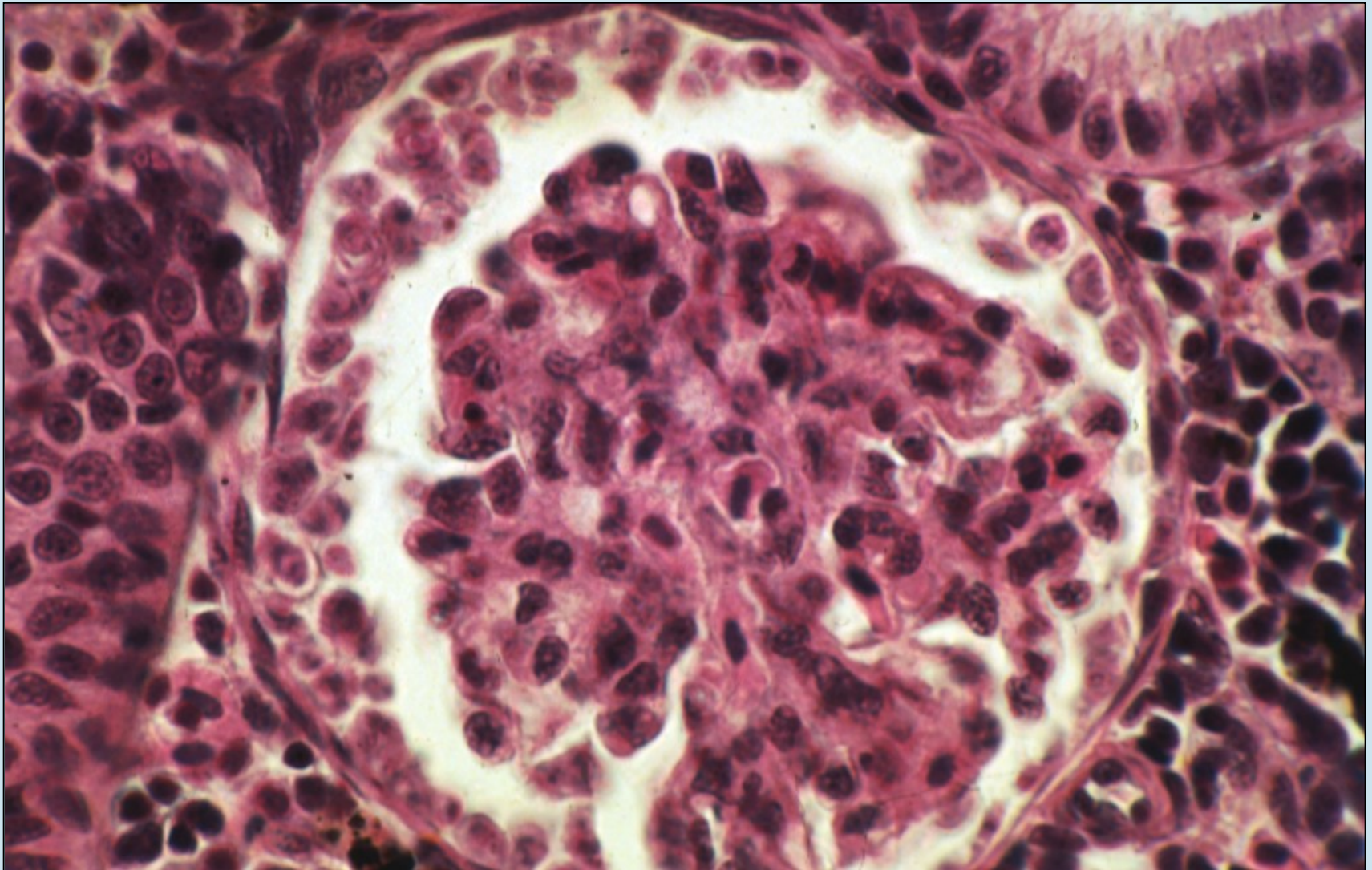
**Leze působené parazity v exkrečním systému, gonádách
a nervovém systému**



Myxozoa – Myxosporea, *Myxidium rhodei*, vývoj plasmodia v Bowmanově prostoru renálního tělíska, hypertrofie tělíska

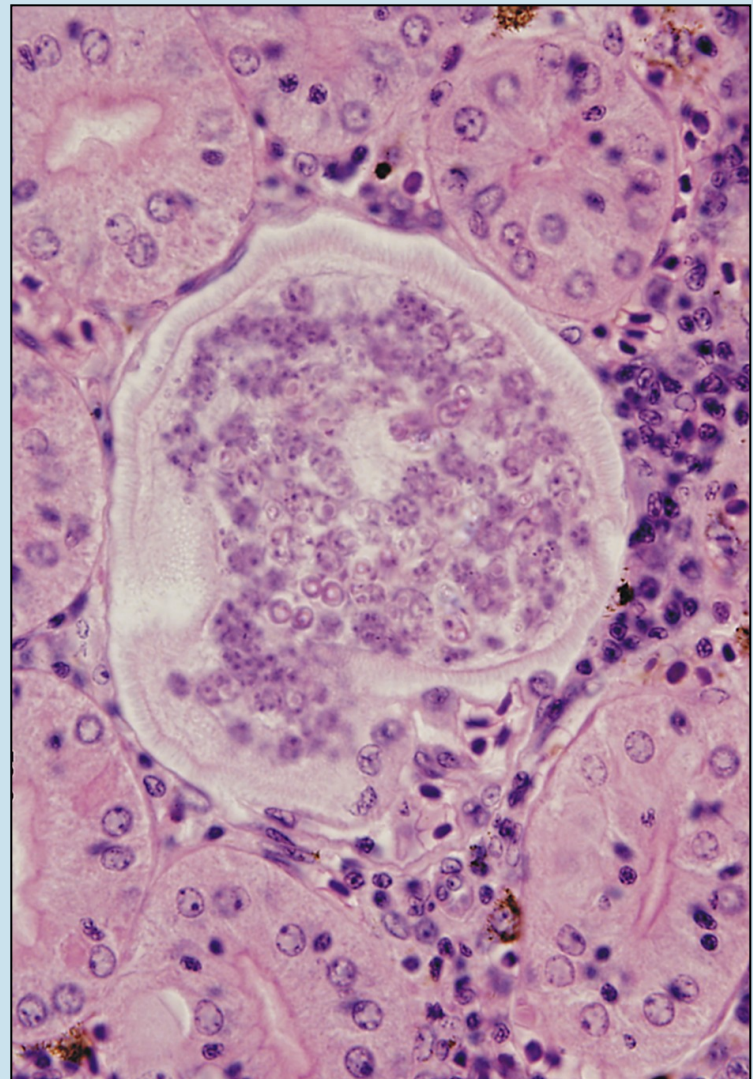
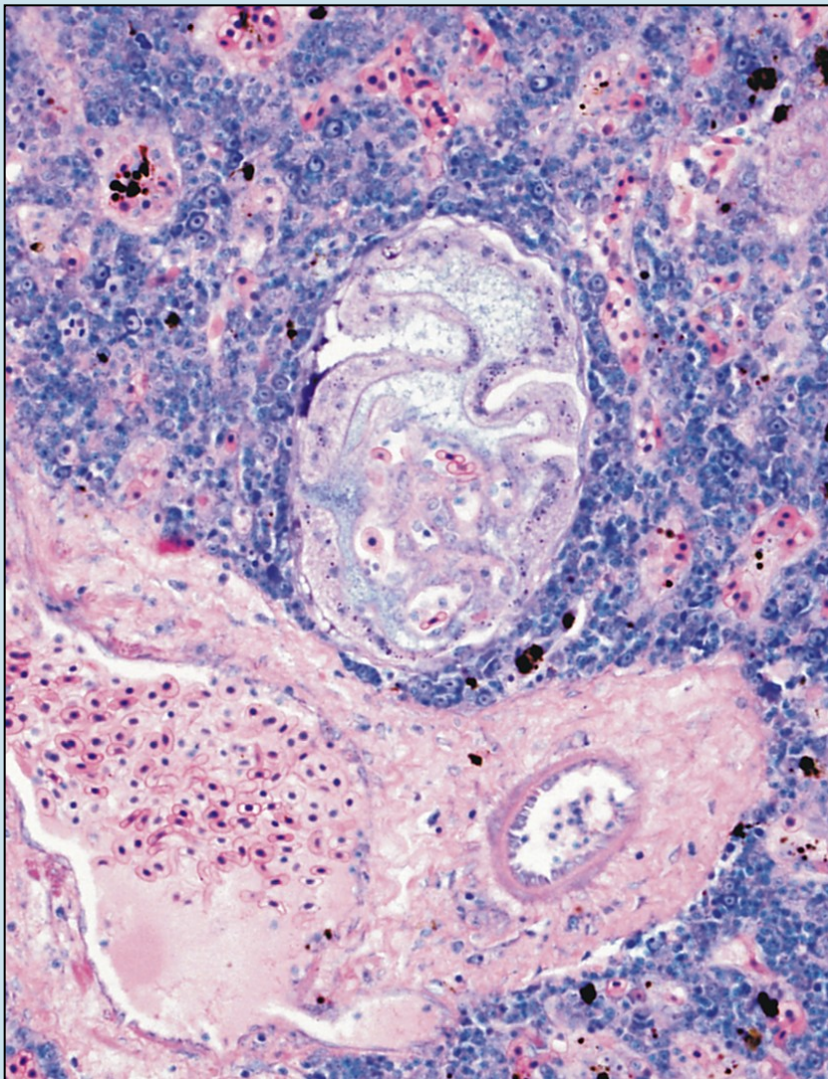
Myxidium rhodei, *Rutilus rutilus*,
plasmodia v Bowmanově prostoru,
atrofie renálních tělísek, vznik granulomů



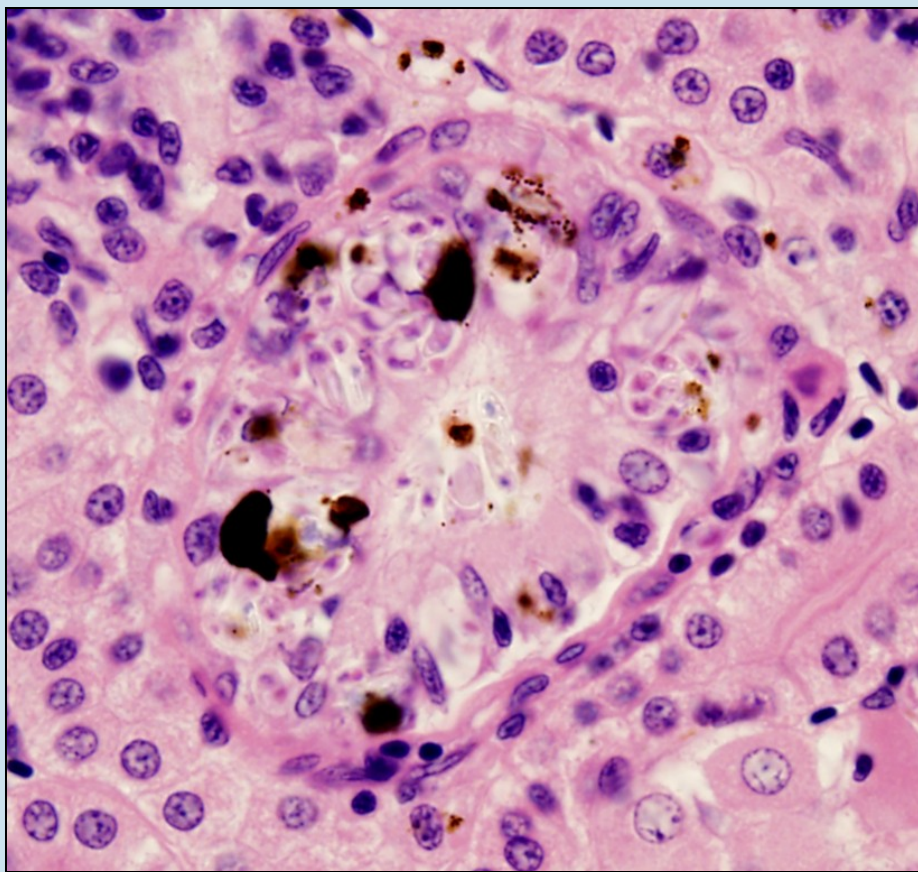
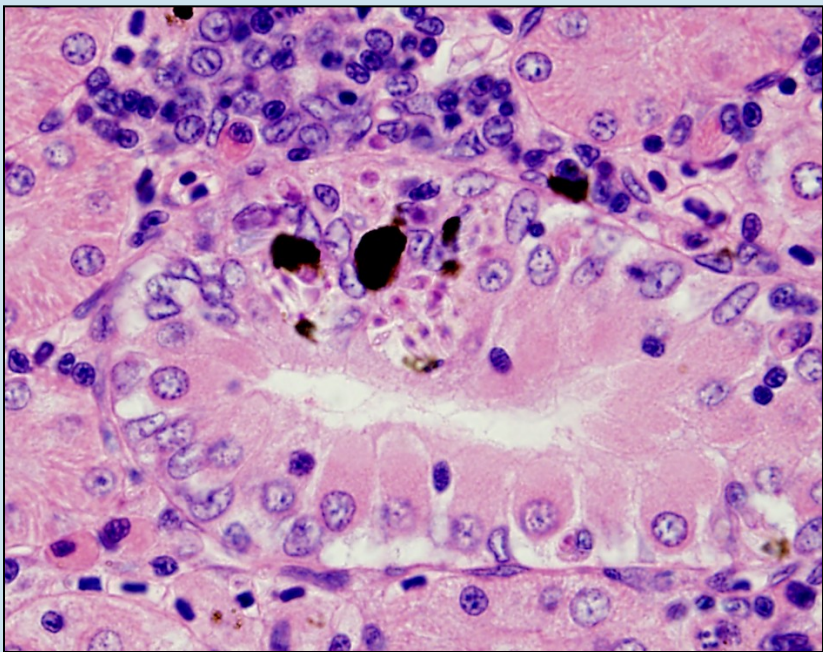
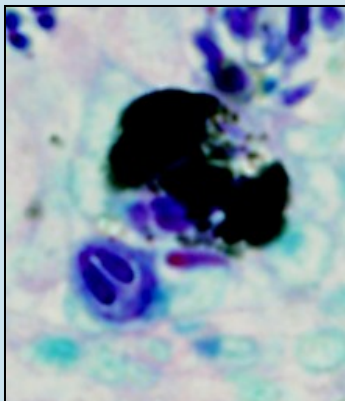
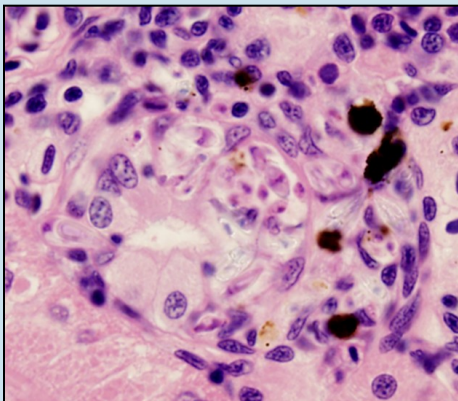


Sphaerospora cristata, vývoj spor v Bowmanově prostoru

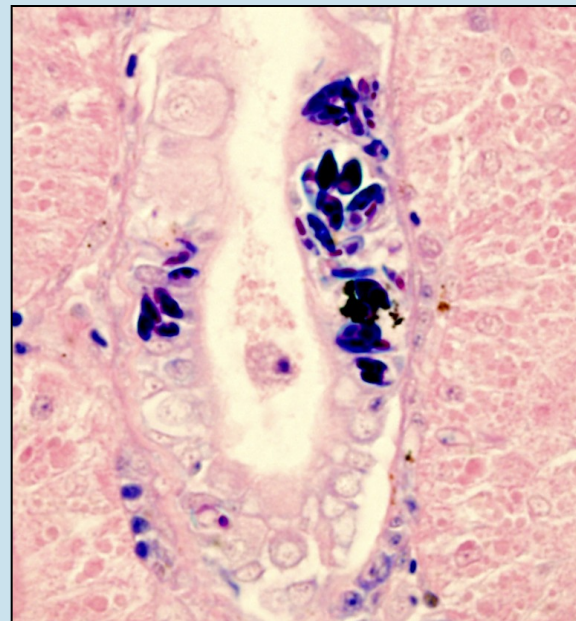
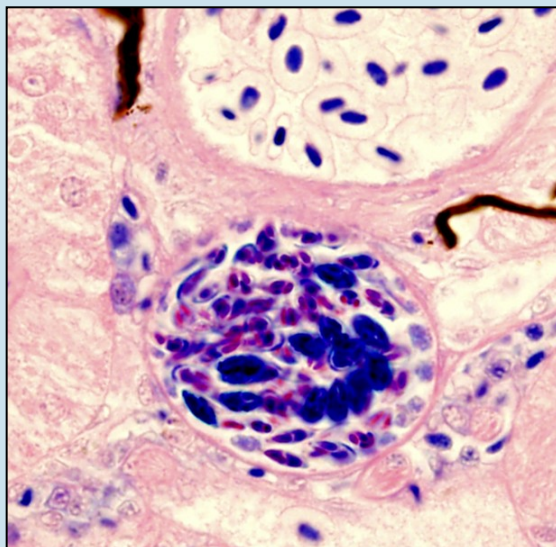
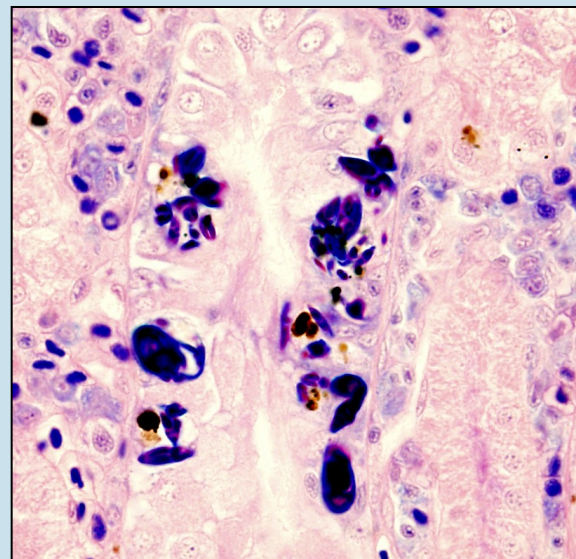
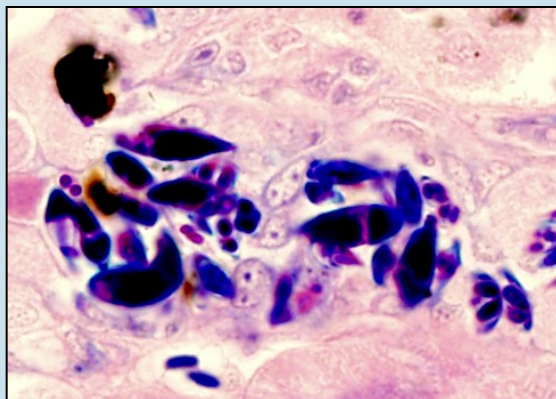
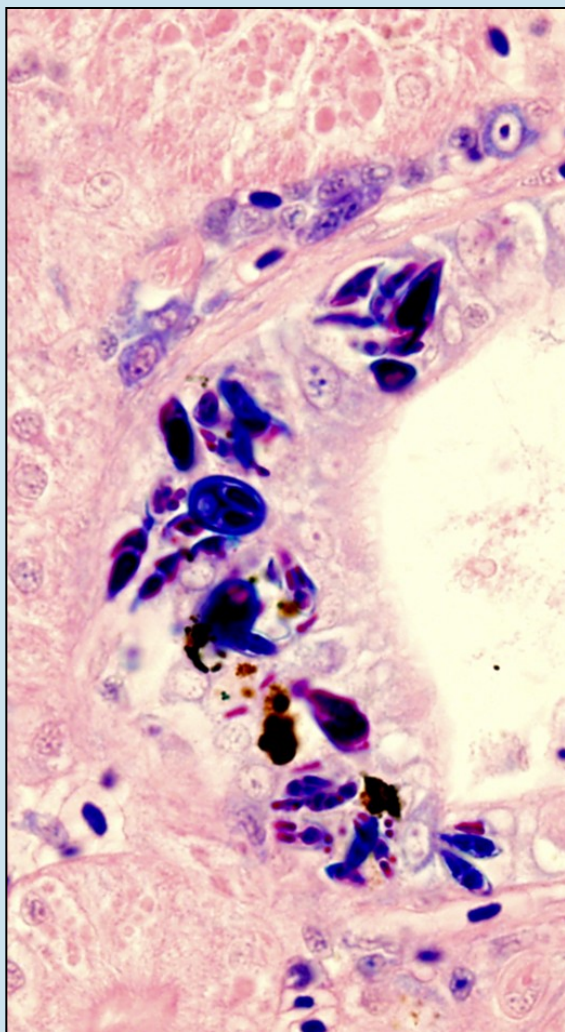
Myxosporeová plasmodiální stadia v renálních těliscích, *Astyanax fasciatus*



Myxobolus sp. v epitelu ledvinných kanálků,
melanomakrofágy doprovázejí sporogonii

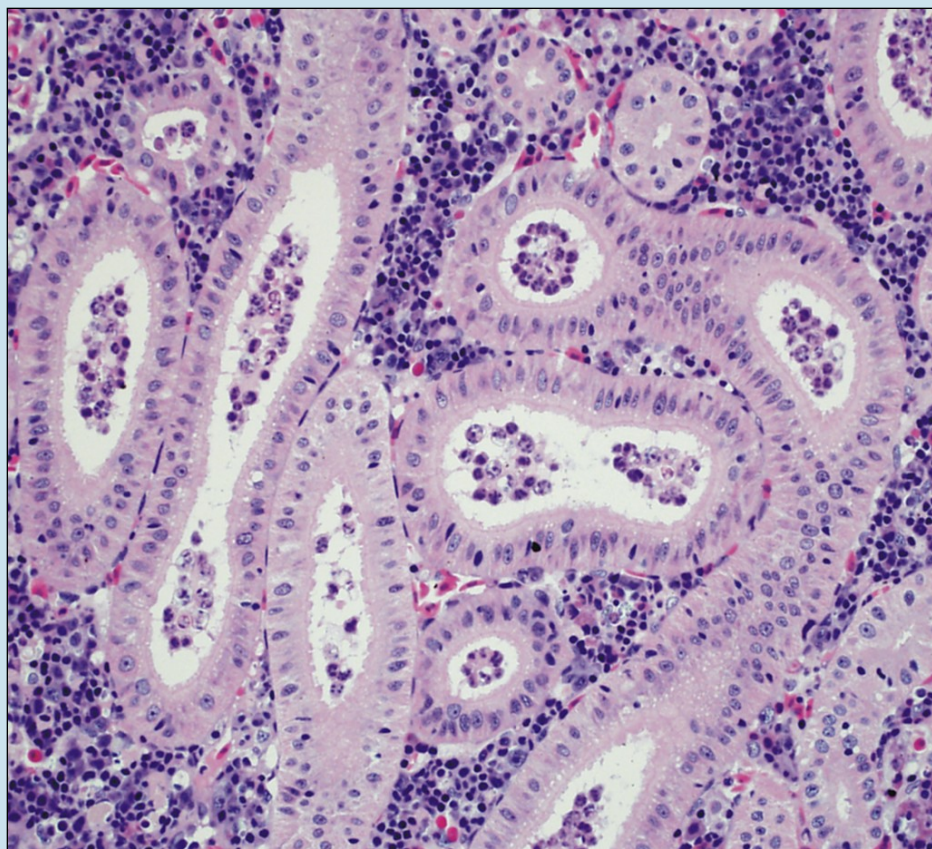


Myxobolus sp.,
sporogonie v epitelu ledvinných kanálků, Giemsa

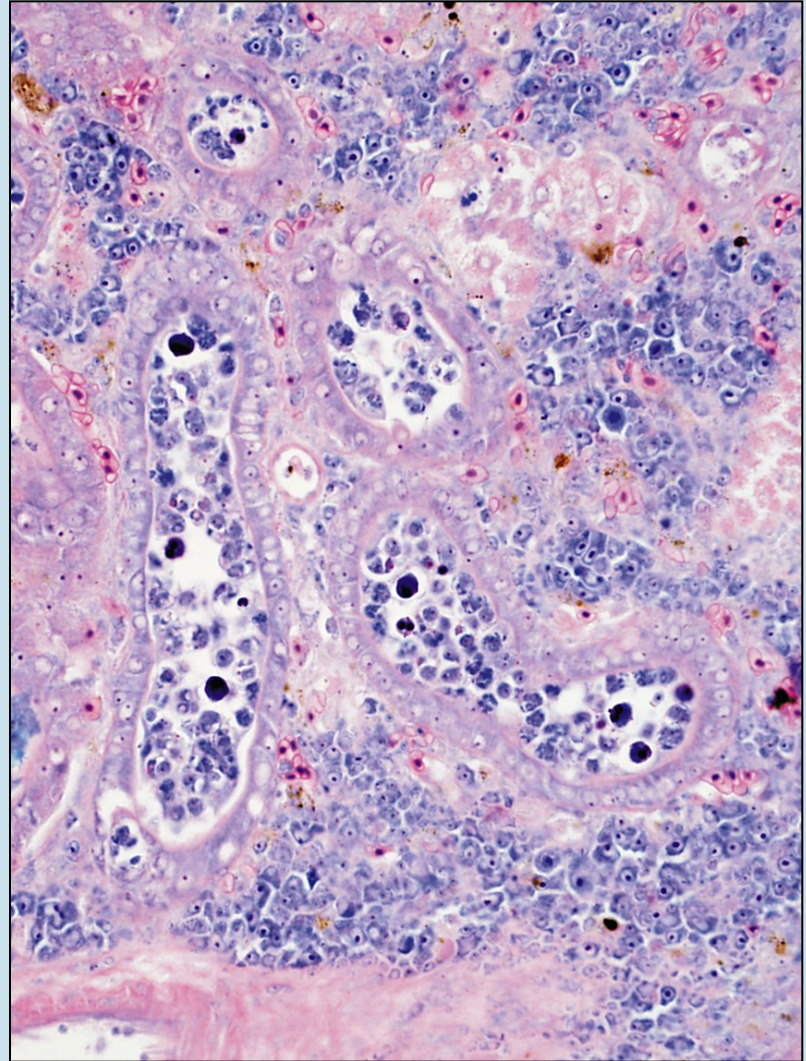
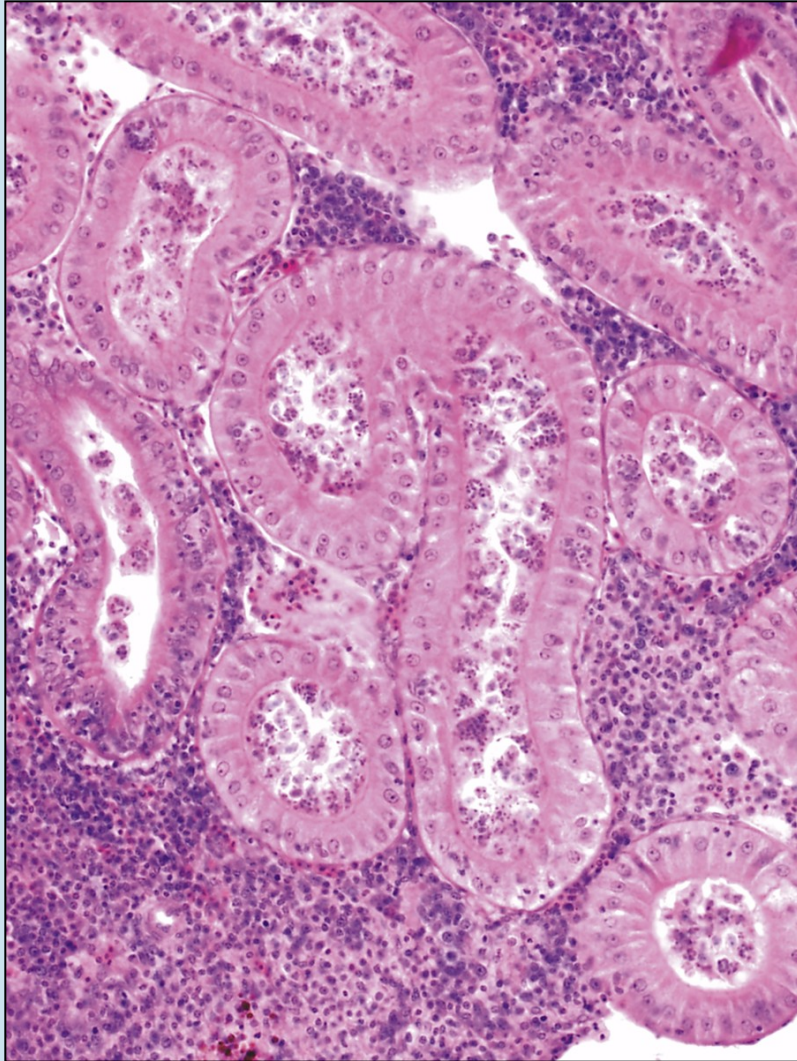


Myxobolus sp., plasmodium

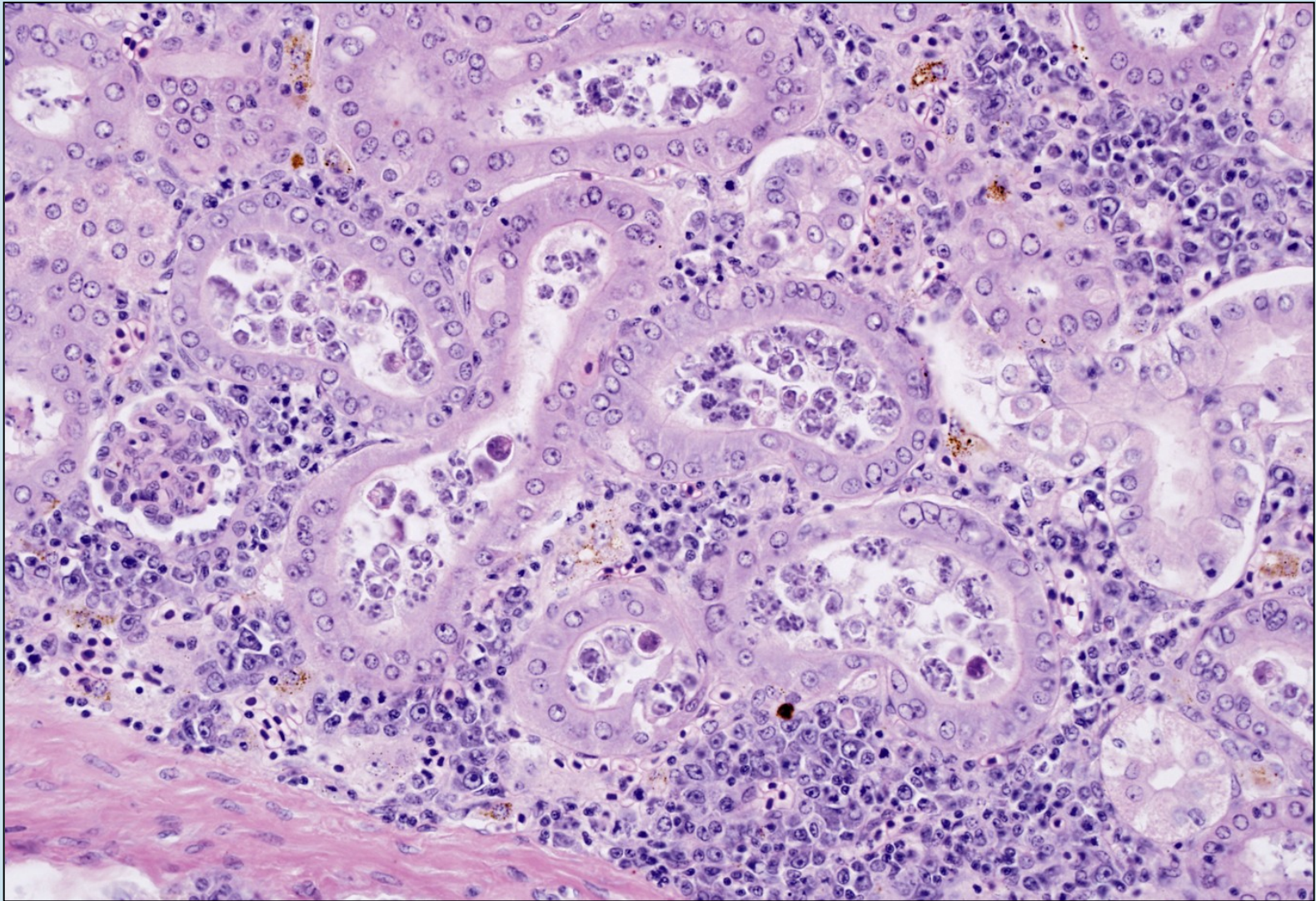
Sphaerospora renicola, *C. carpio*,
sporogonická fáze vývoje,
extrasporogonický vývoj



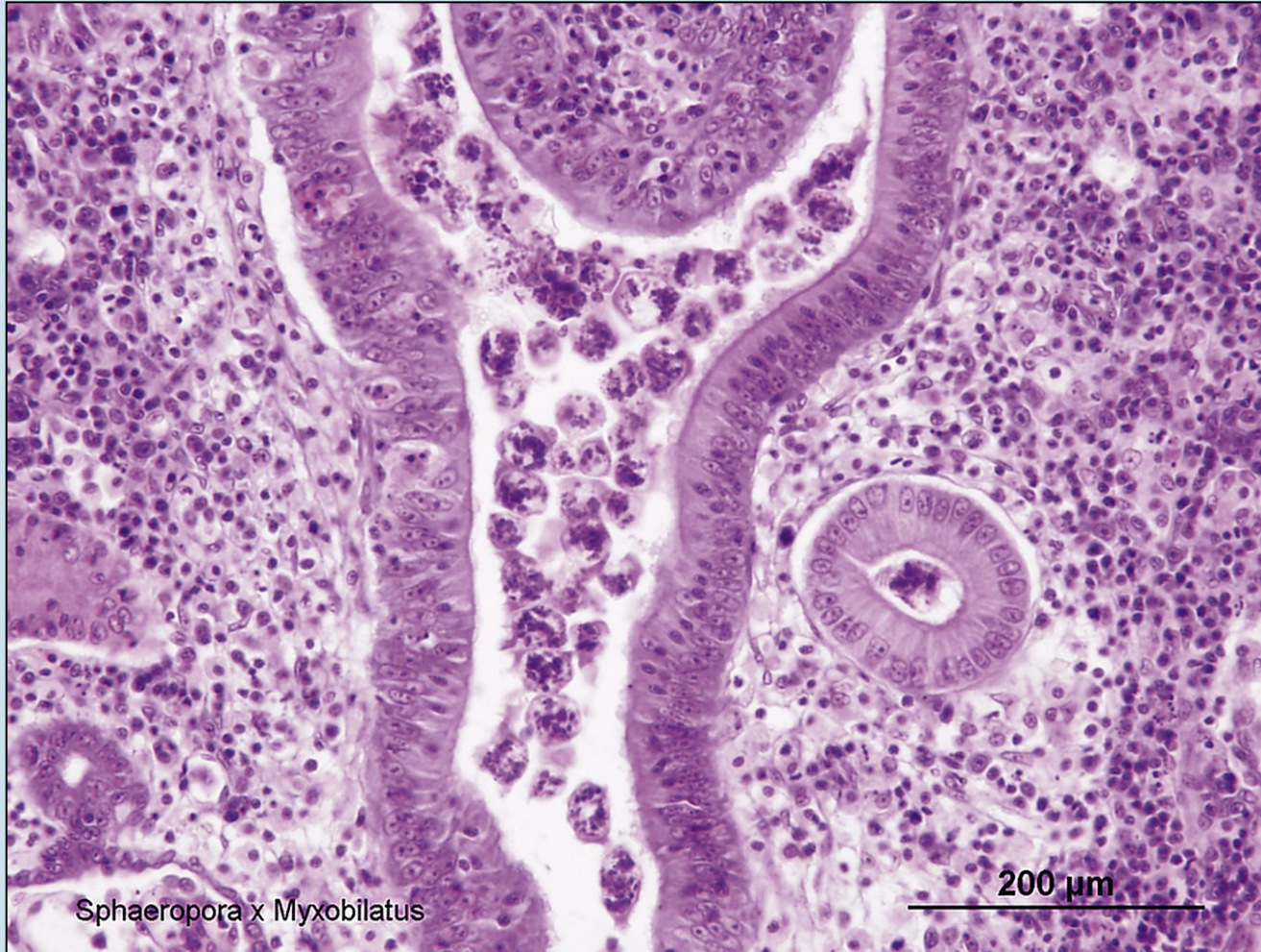
Sphaerospora sp., *Tetraodon fluviatilis*, ledvinné kanálky



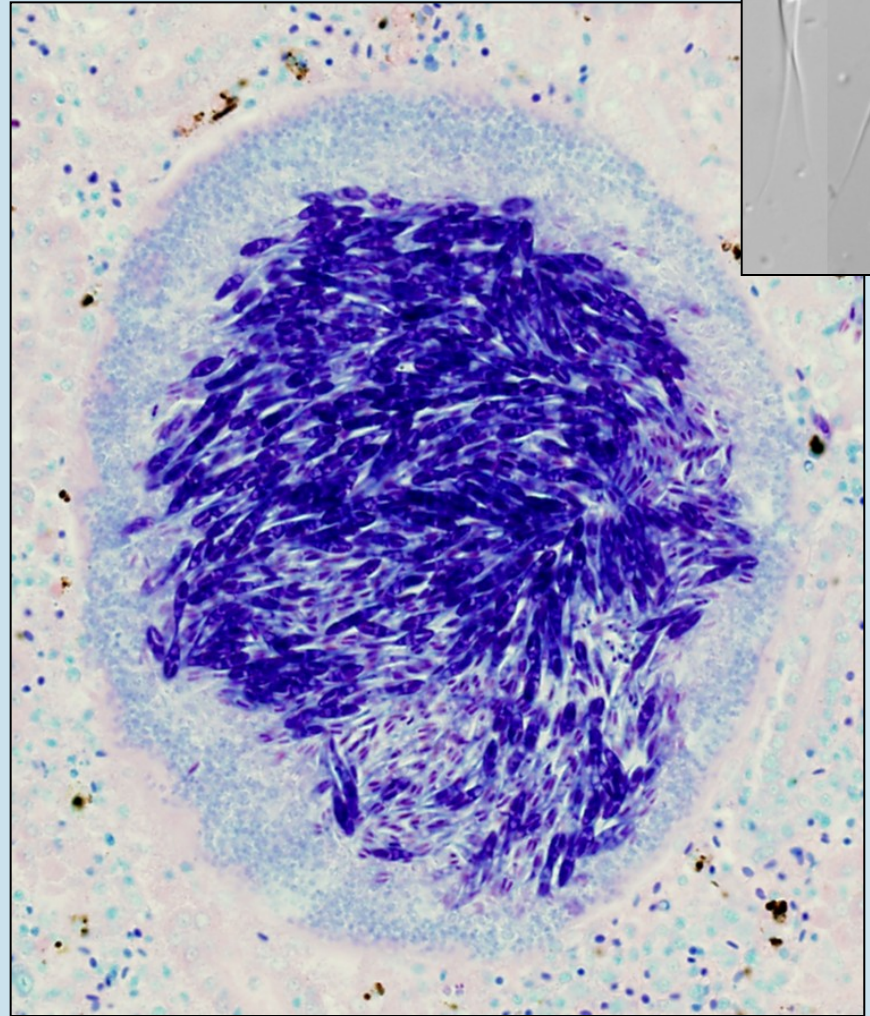
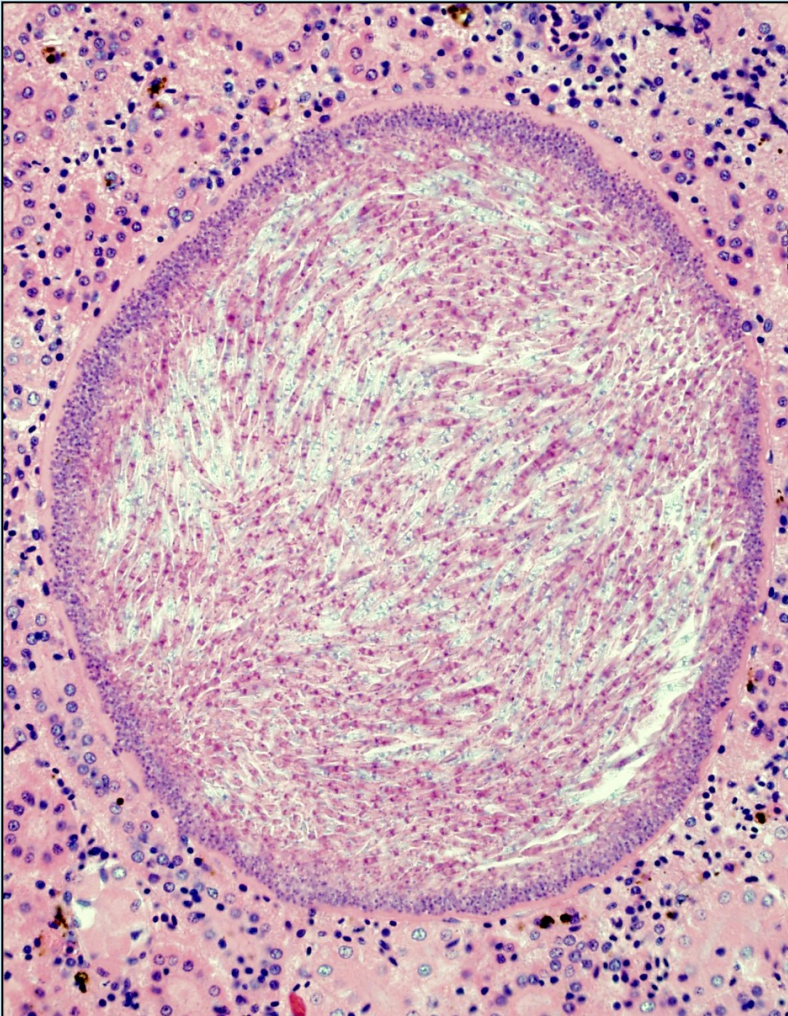
Sphaerospora sp. *Silurus asotus*, ledvinné kanálky



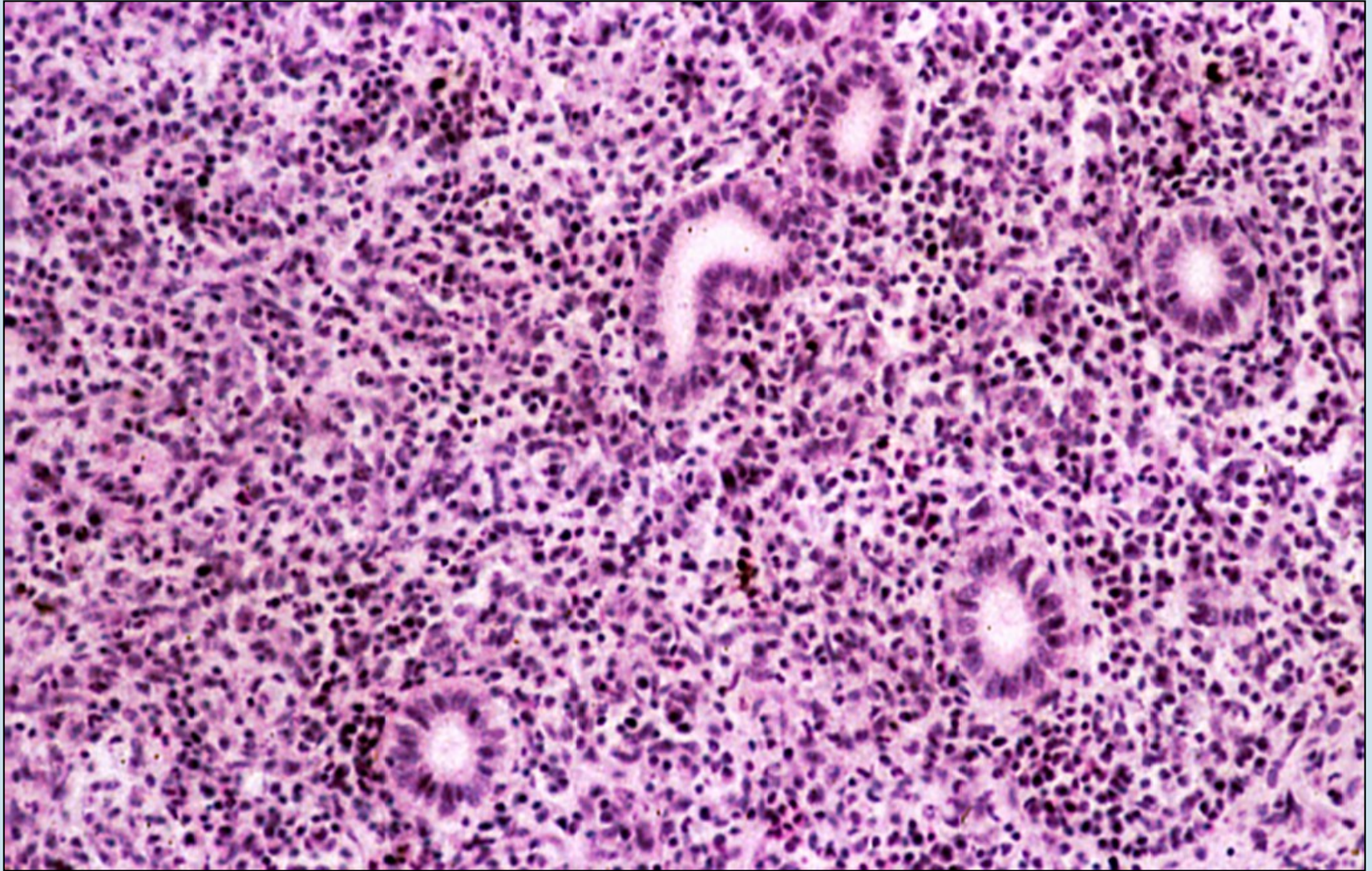
Myxobilatus sp., plasmodia, *Cyprinus carpio*, ledviny

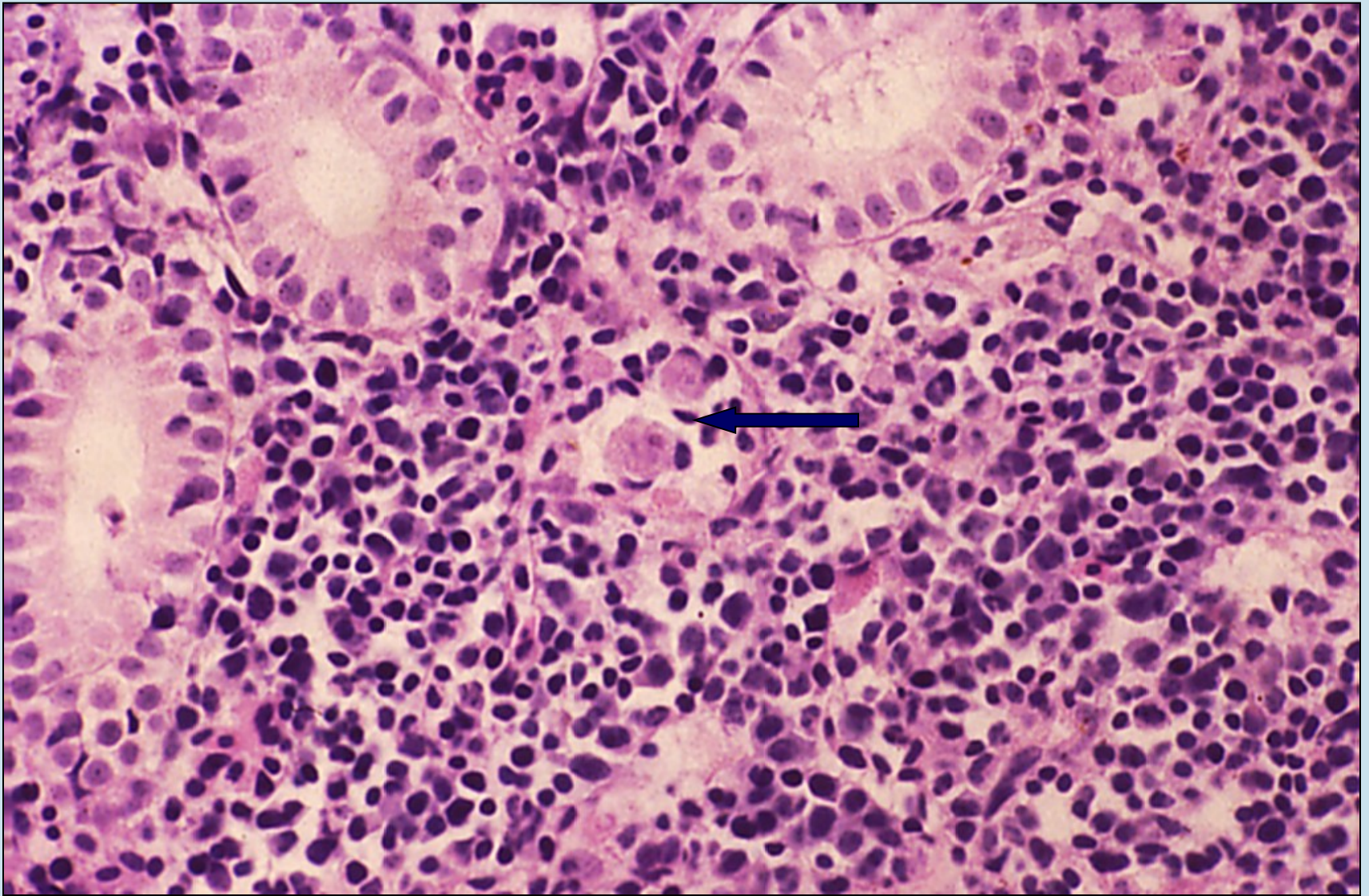


Leporinus octofasciatus – ledviny – plasmodia *Henneguya* sp.



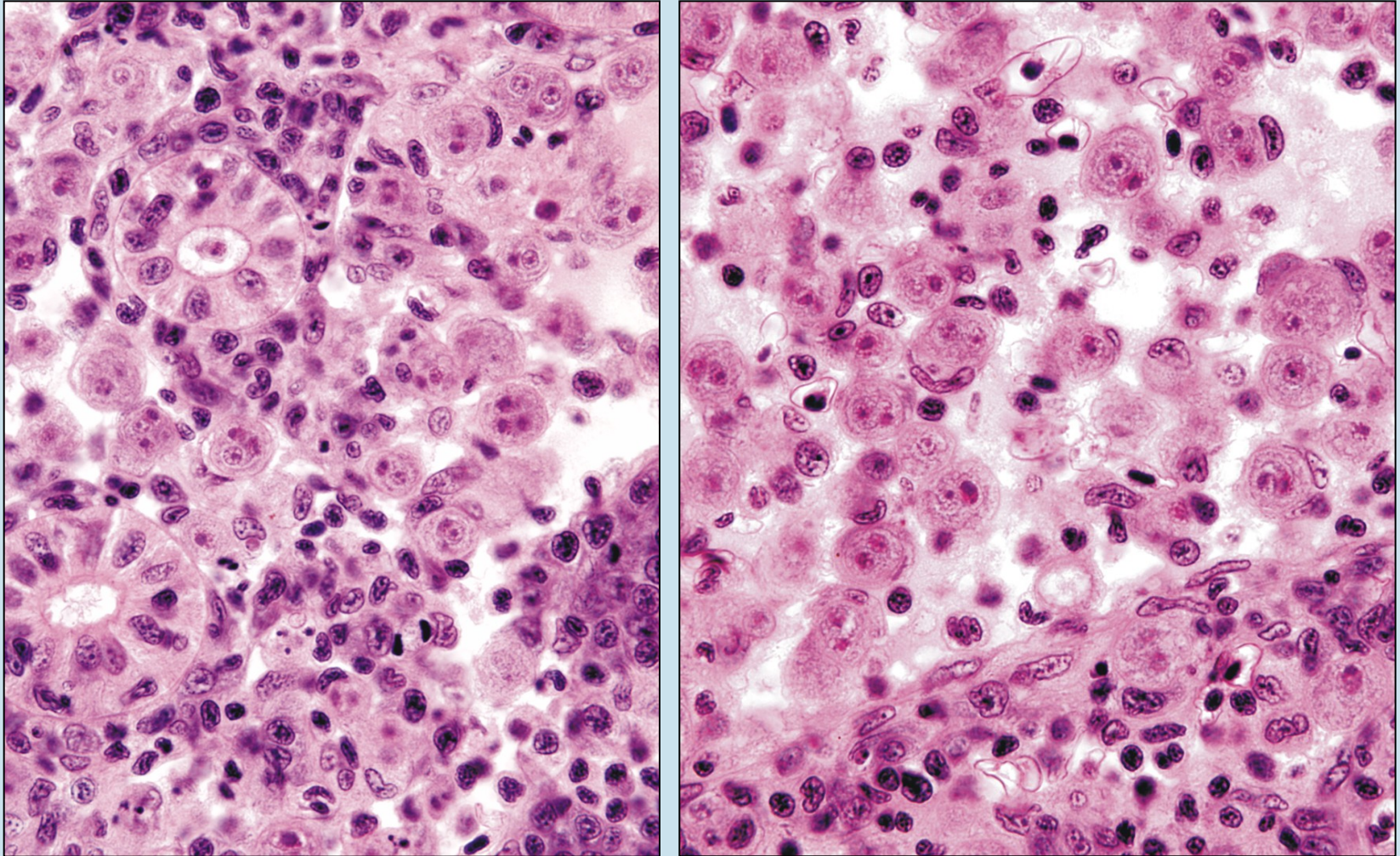
PKD - “proliferative kidney disease”



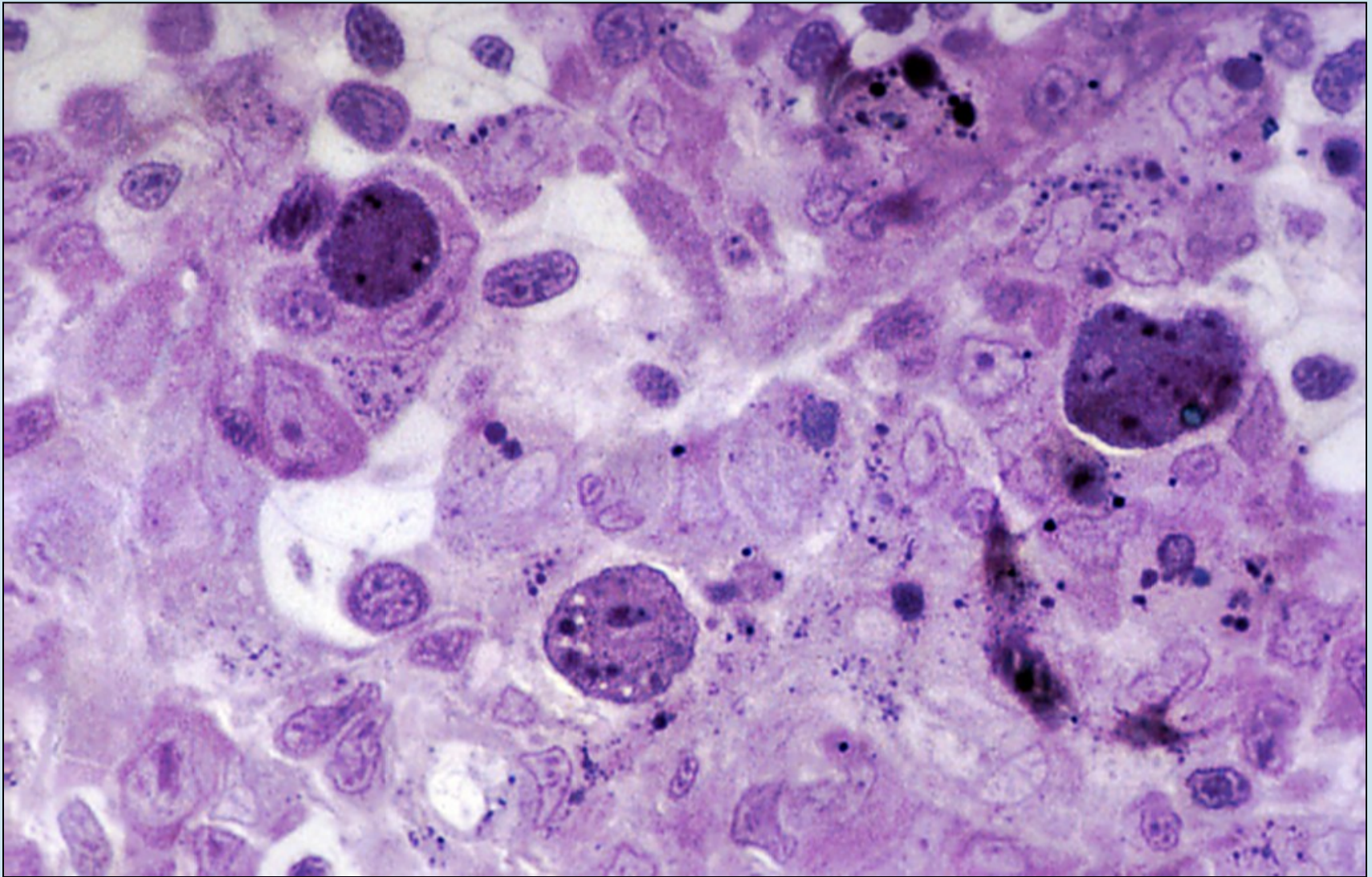


„PKX“ – *Tetracapsuloides bryosalmonae*

PKD – “Proliferative kidney disease”

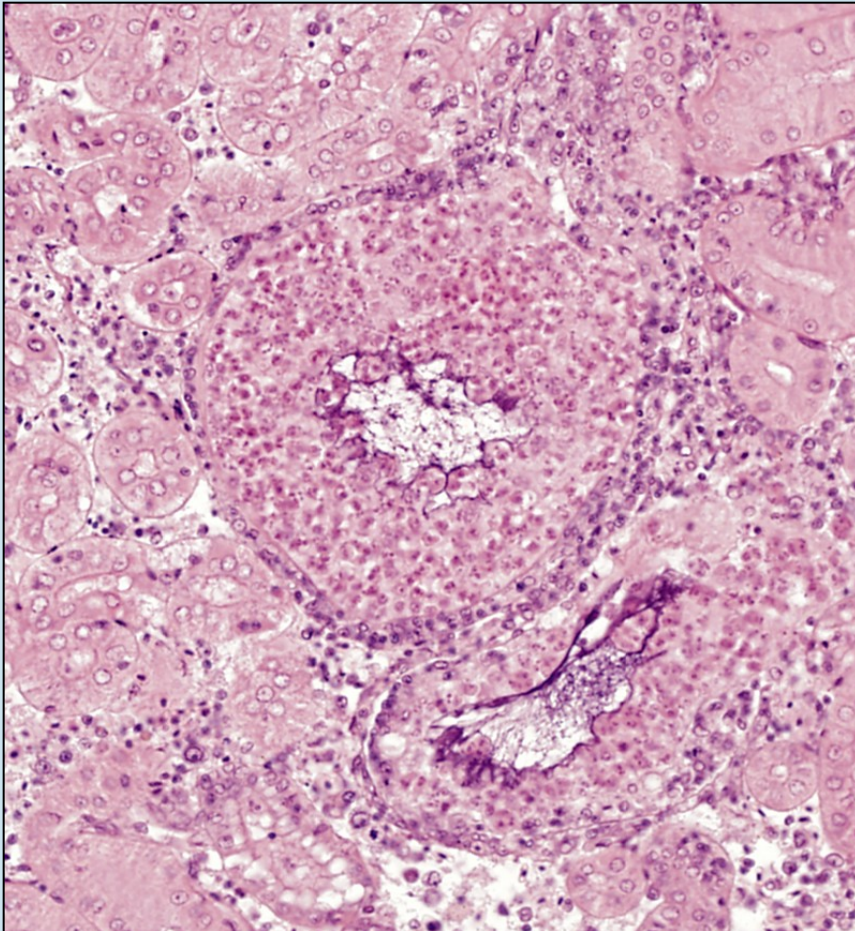


„PKX“ *Tetracapsuloides bryosalmonae* – Phylum Myxozoa, class Malacosporea

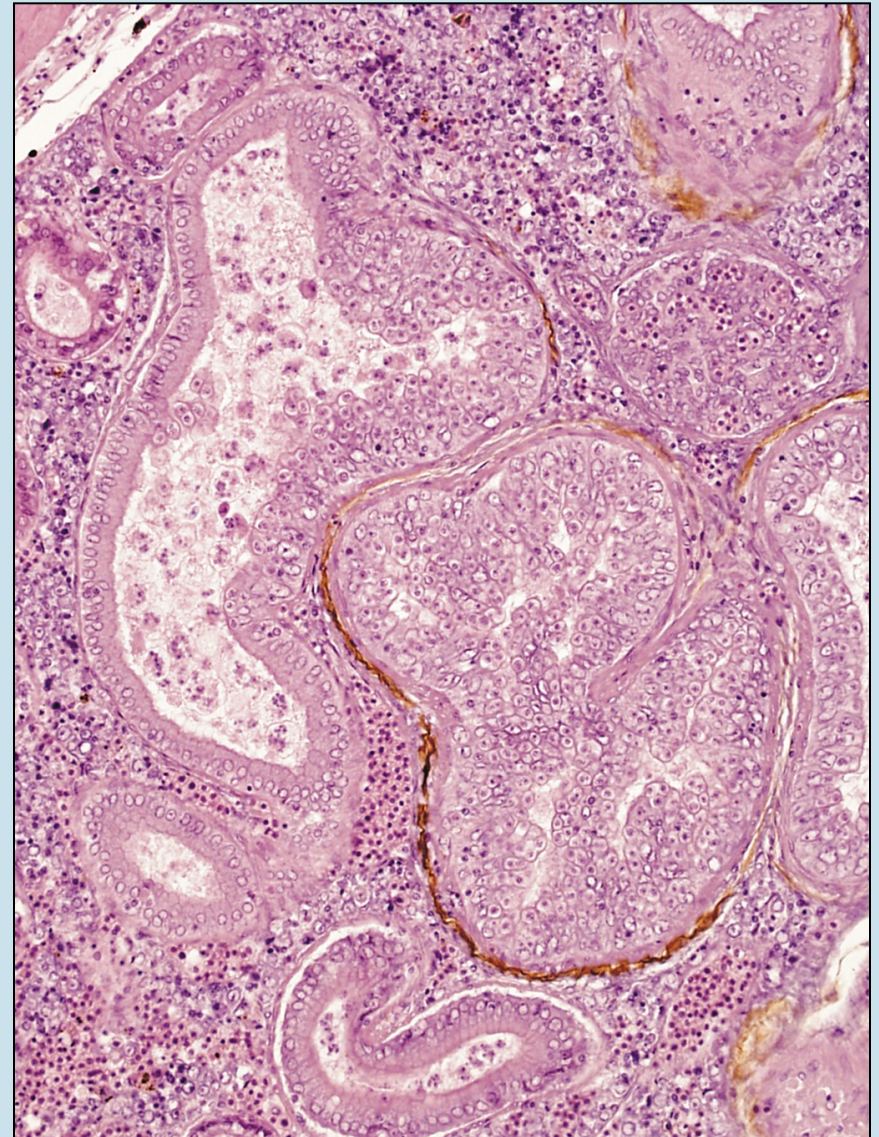


„PKX“ v polotenkém řezu, toluidinová modř

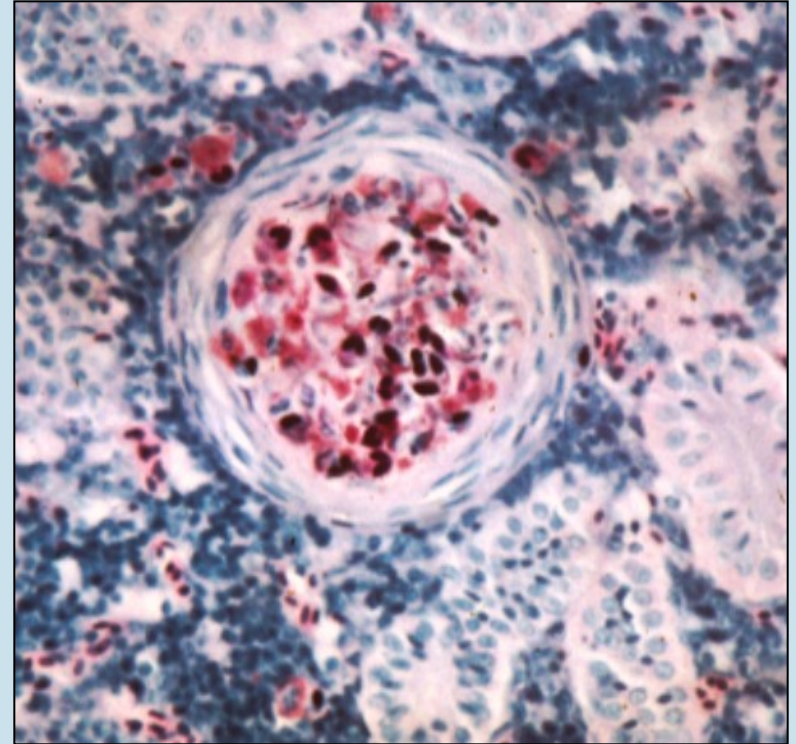
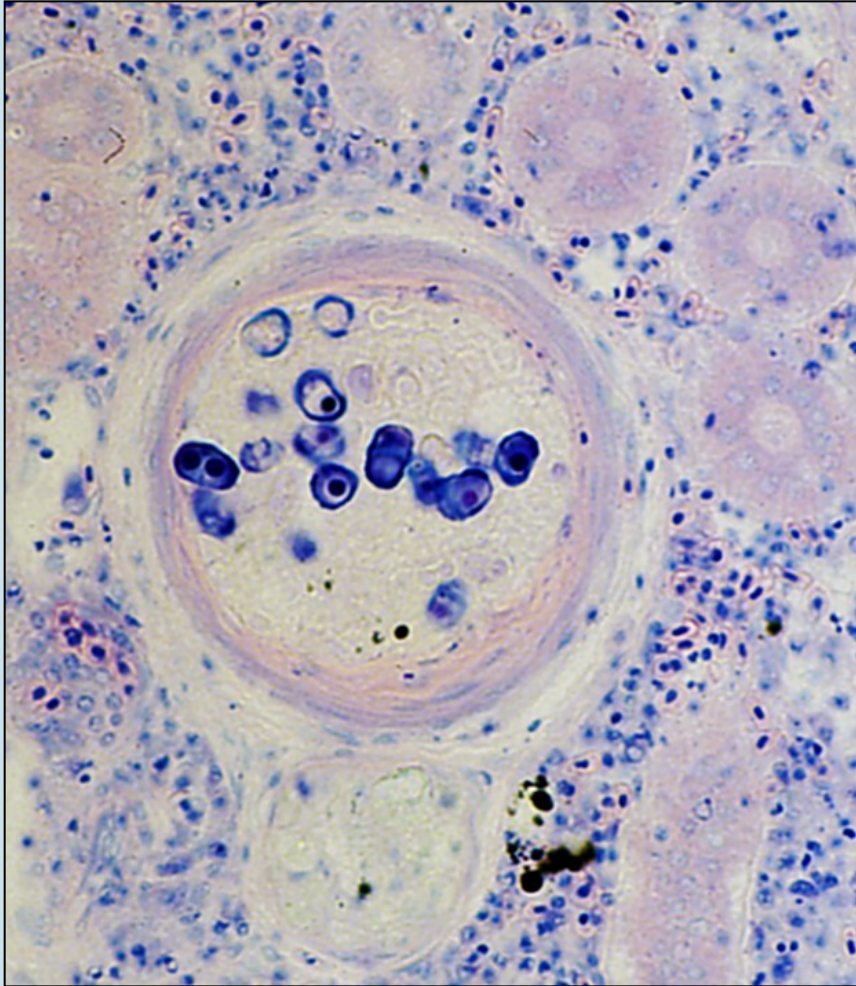
Myxosporeové, xenomům podobné útvary,
Tetraodon palembangensis, ledviny



Myxosporidia neurč / 462-99 01up

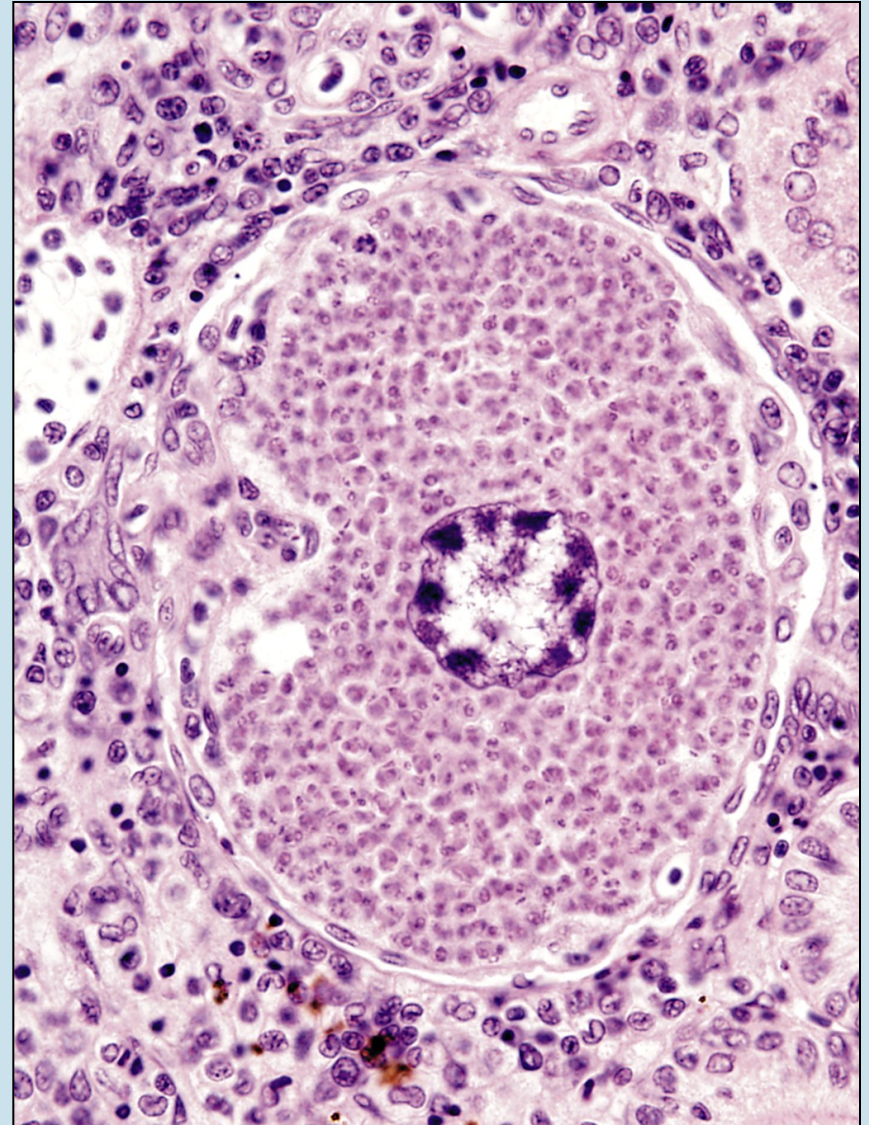
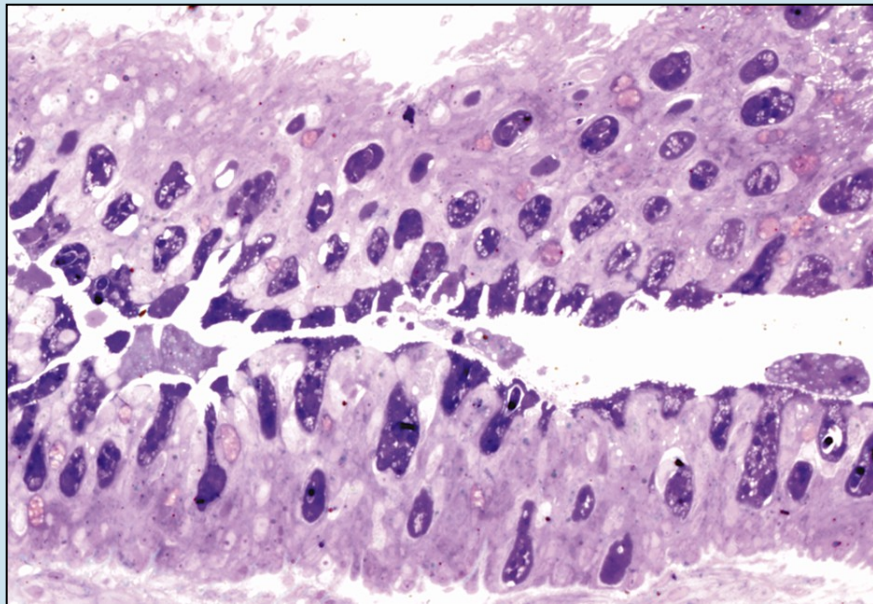
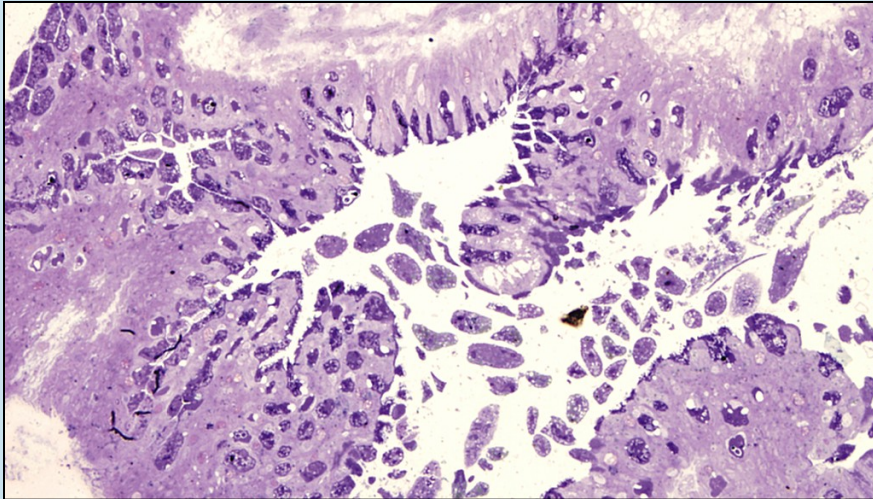


Myxosporidia neurč / 465-99 01up

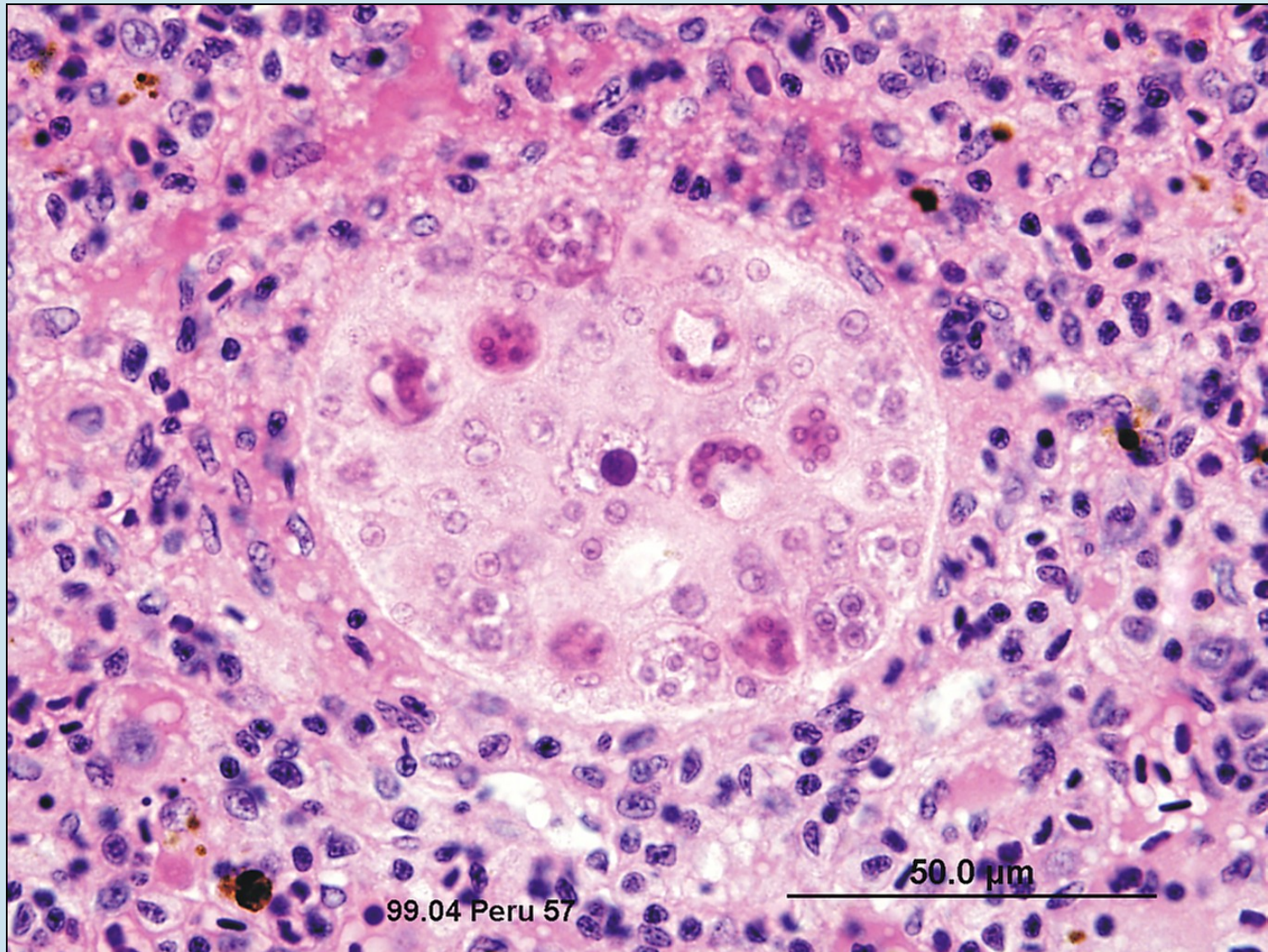


Koncentrace spor ve shlucích melano-
makrofágů, reakce hostitele – vývoj
granulomů

Myxidium lieberkuehni, *Esox lucius*, močový měchýř a parenchym ledvin

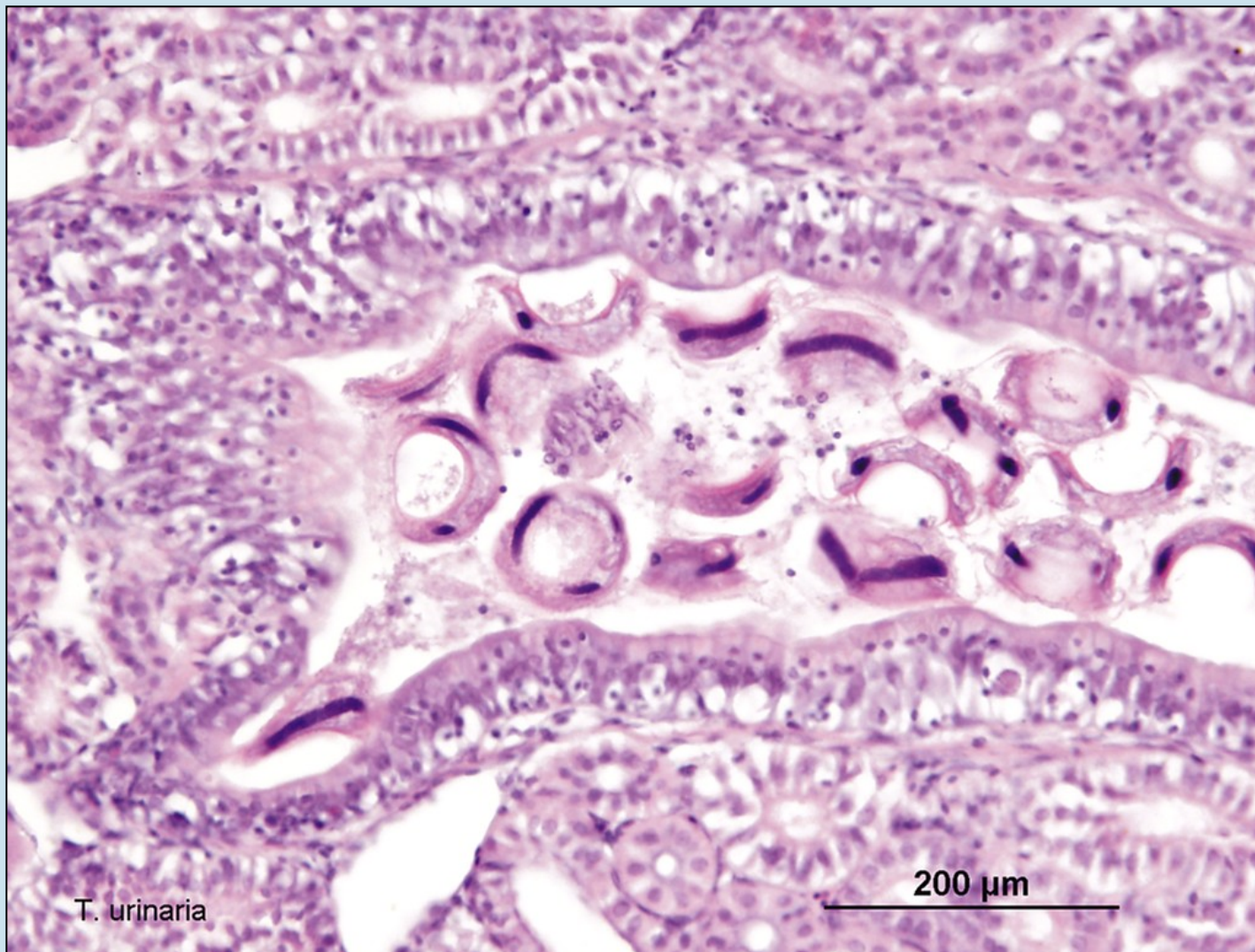


Myxosporeové plasmodium s pansporoblasty, *Amblyodoras* sp., ledviny

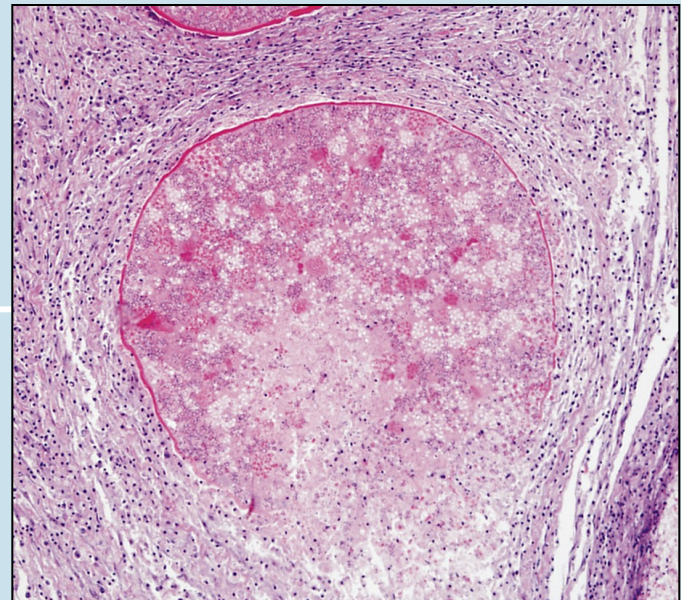
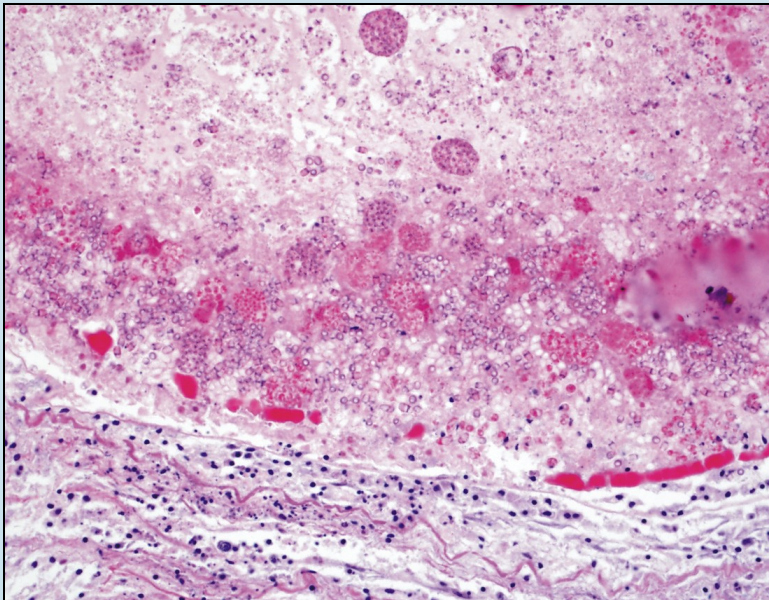
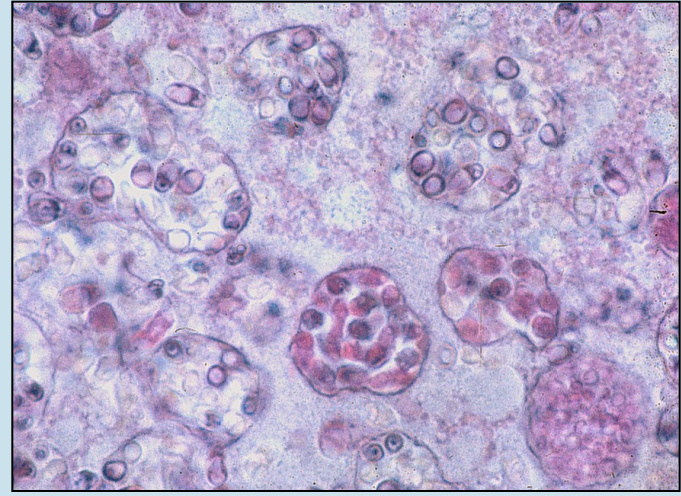
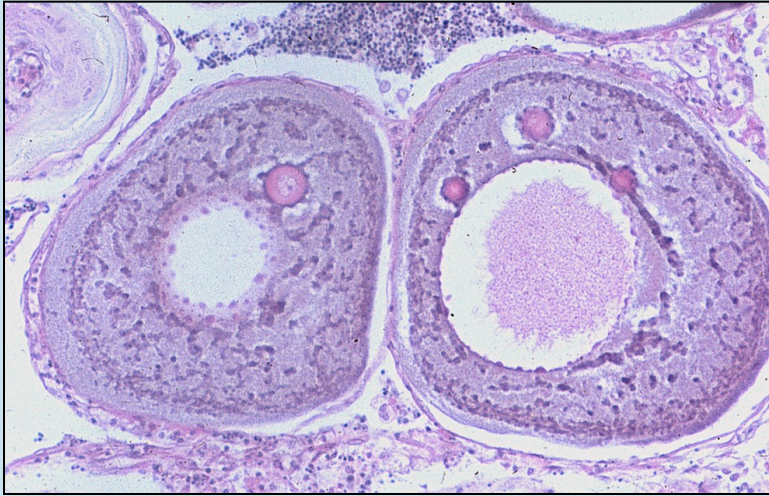


Myxo/neurč.myxo obecné jevy 99-04 Peru 57

Nálevníci v exkrecním systému – charakter lezí?!
Trichodina urinaria, *Perca fluviatilis*

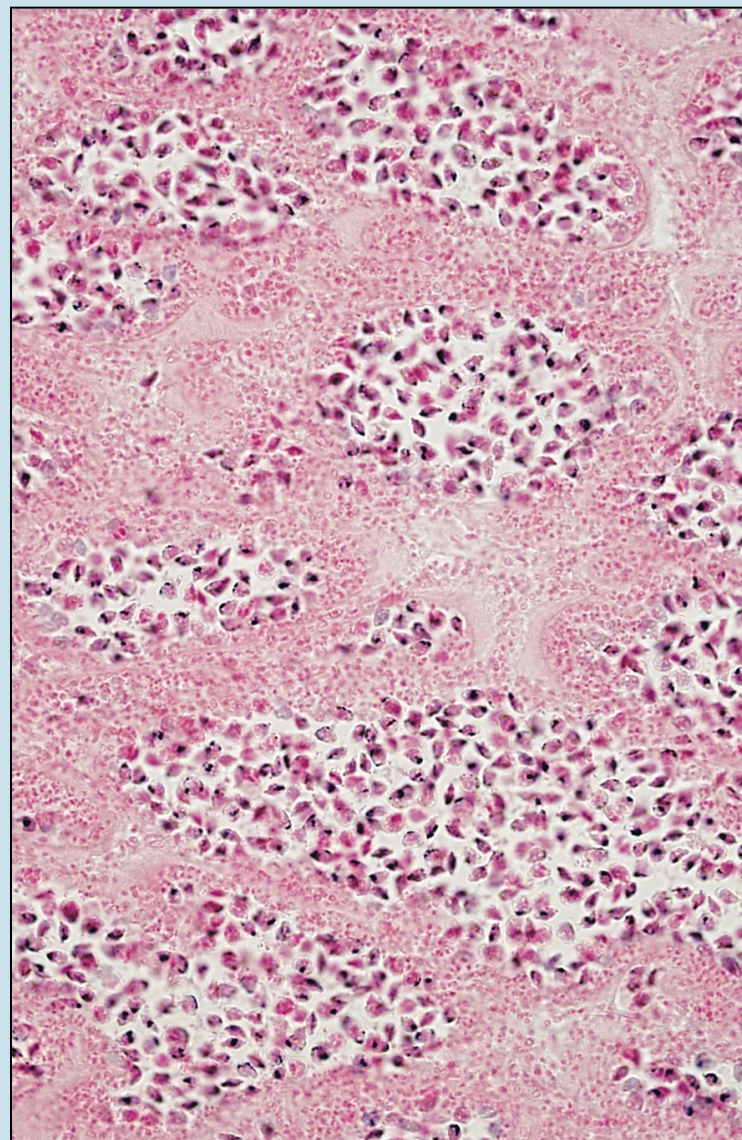
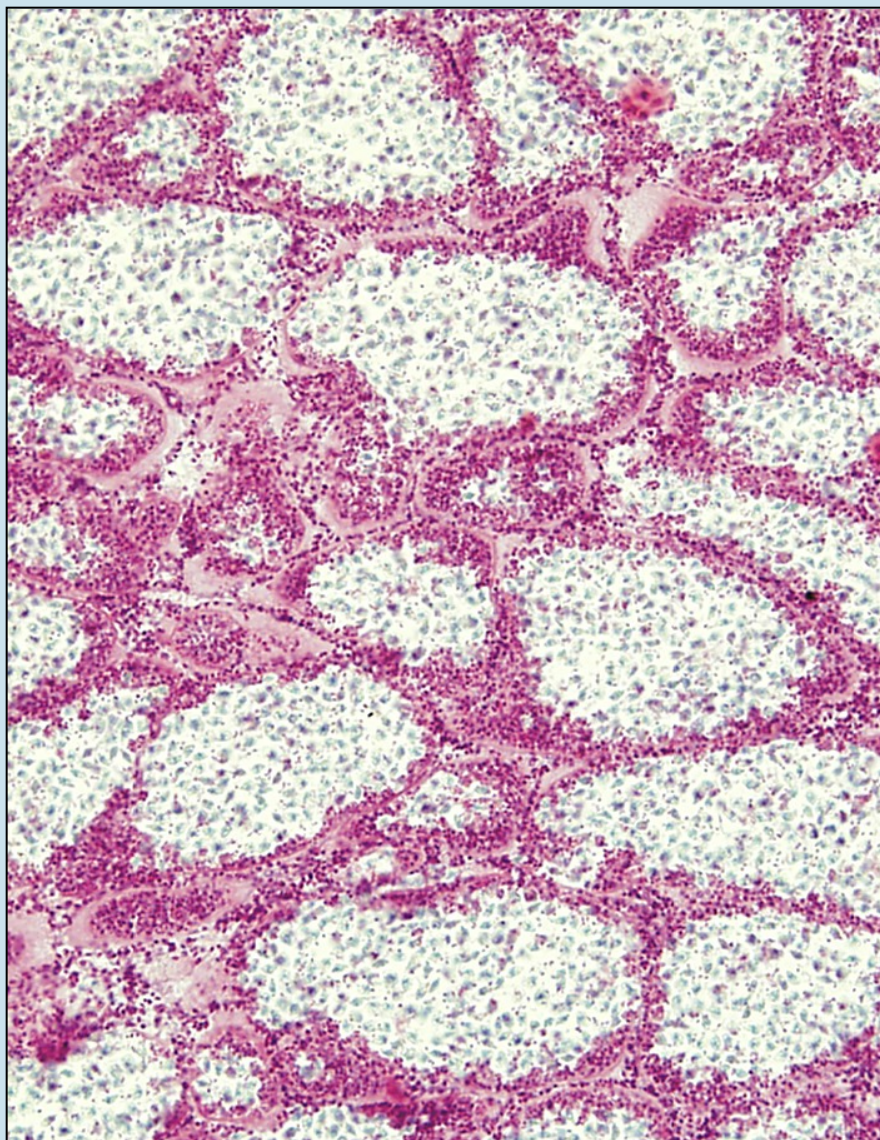


Leze v gonádách - působené mikrosporidiemi



Ovipleistophora mirandellae, *Gymnocephalus cernuus*, *Rutilus rutilus* - oocyty

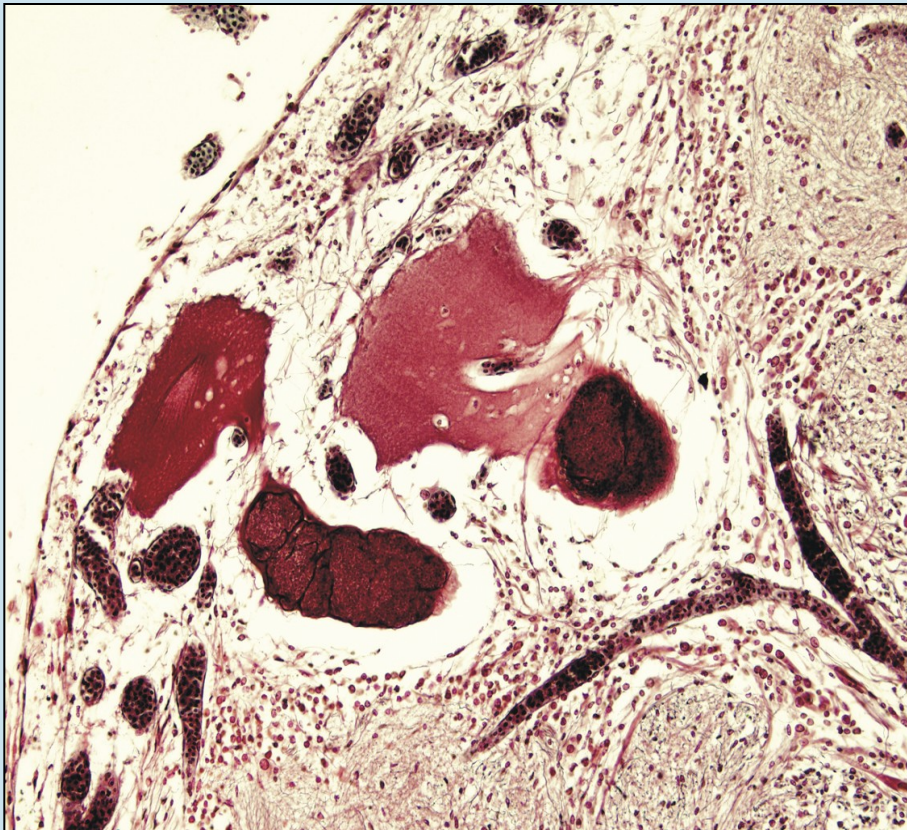
Leze působené v samčích gonádách myxosporidiemi



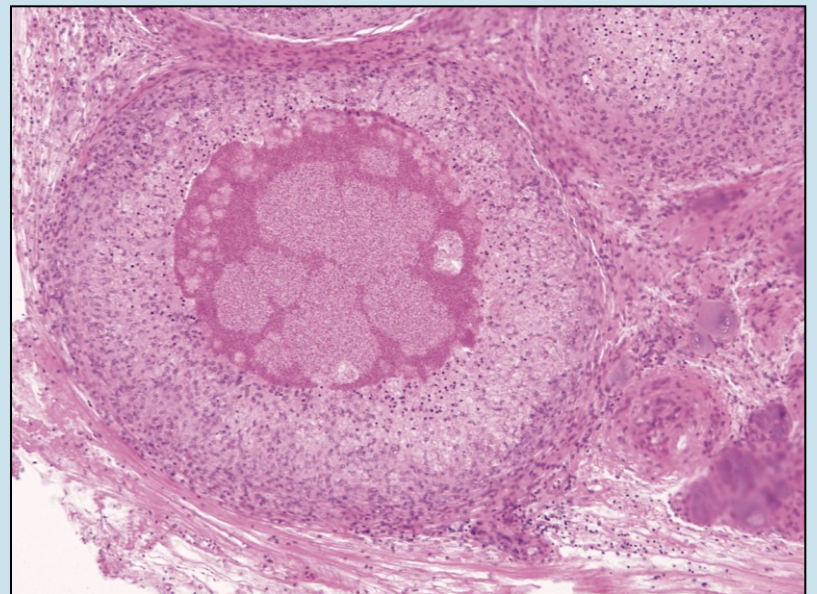
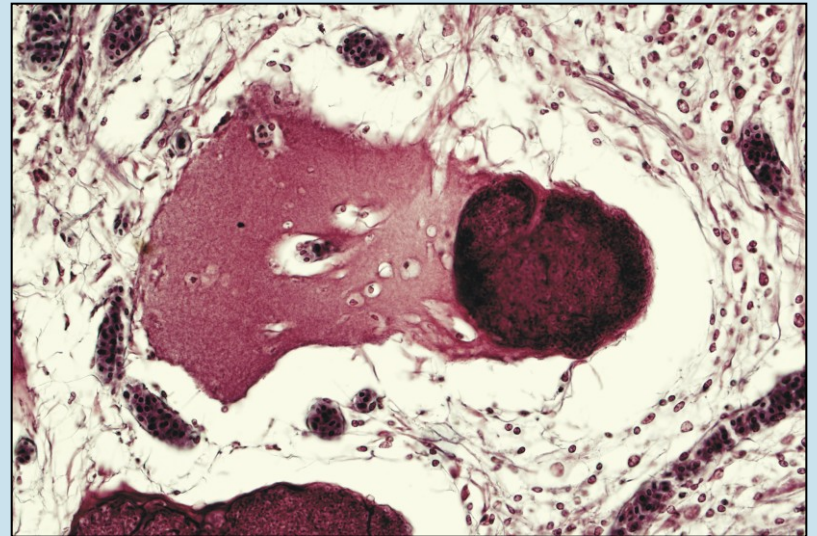
Myxobolus sp., *Haplochromis velifer*, *H. beadlei*, gonády, sterilizace

Leze v centrálním nervovém systému

Mikrosporidie, *Spraguea lophii*, jeden z druhů, které tvoří xenomy (transformace buněčných těl neuronů)

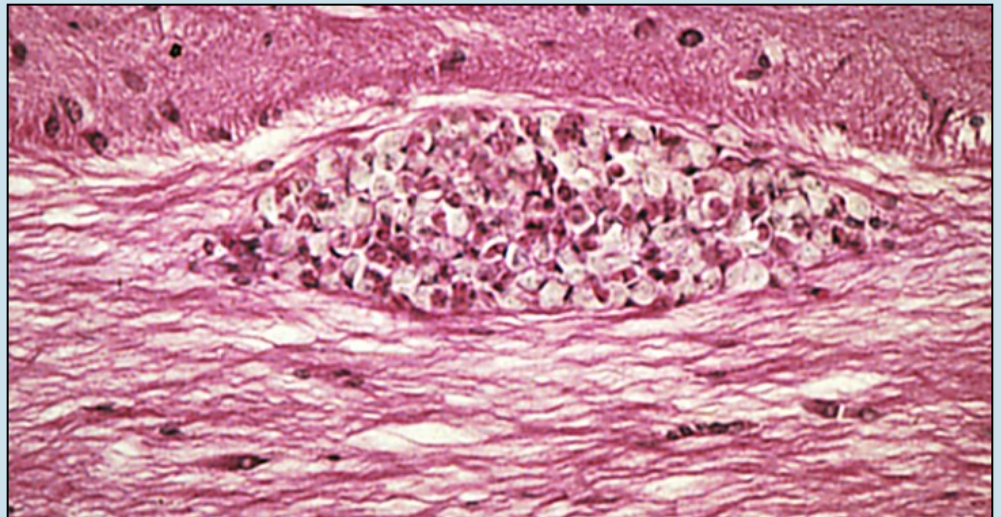
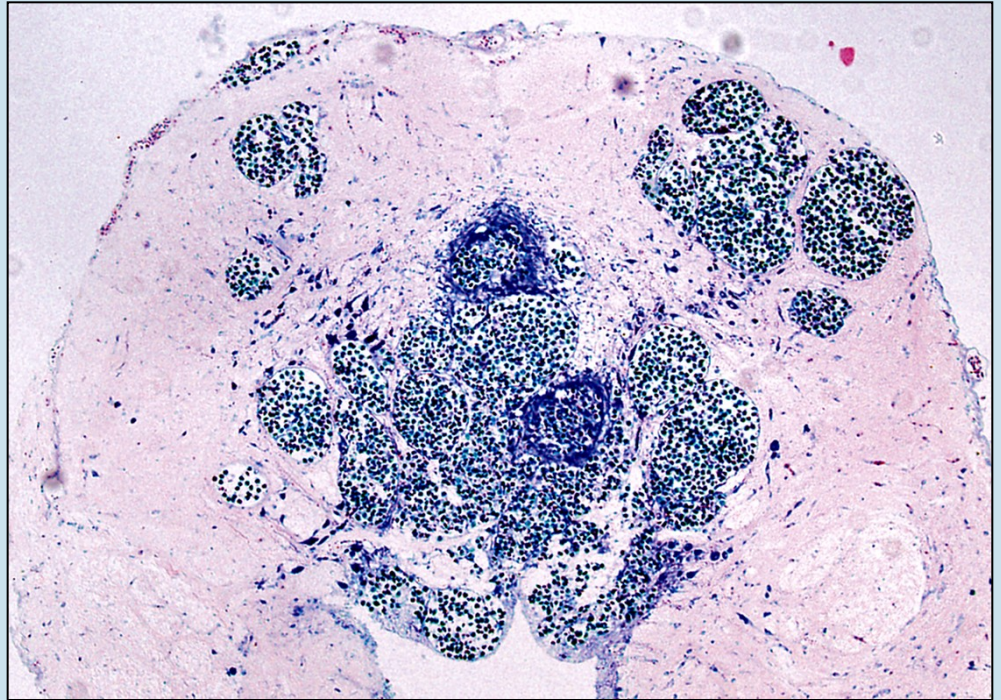
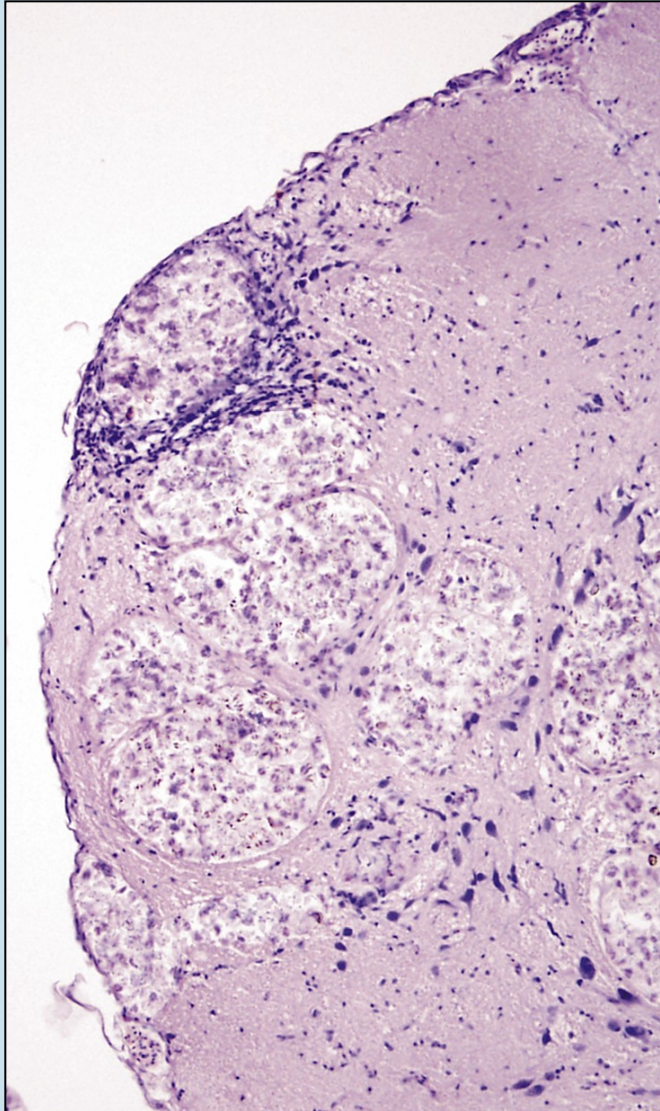


(Bodian)



(Dva typy/velikosti spor)

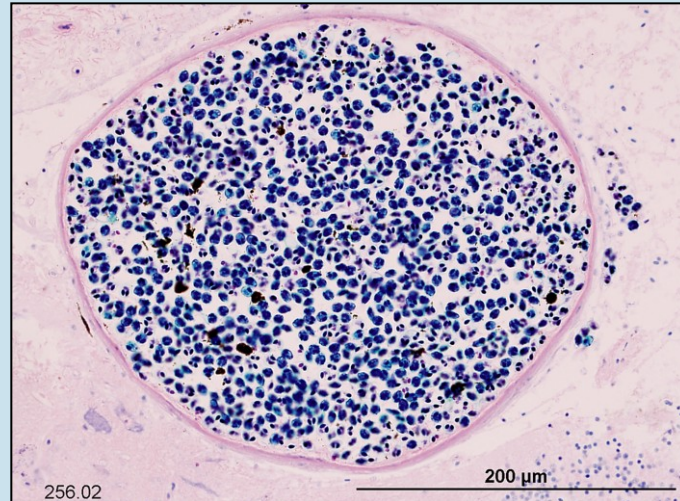
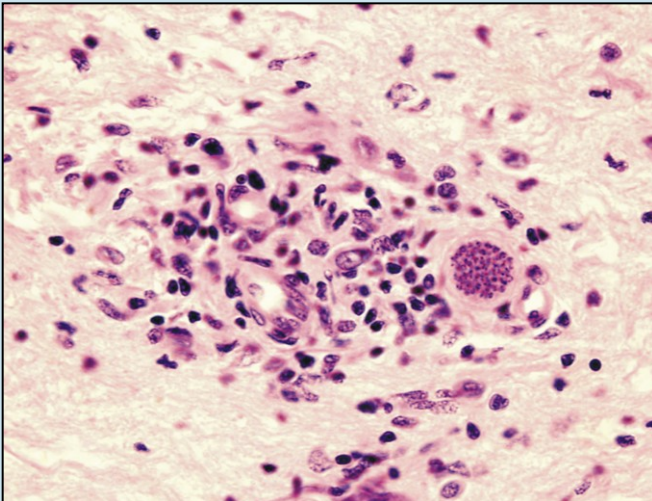
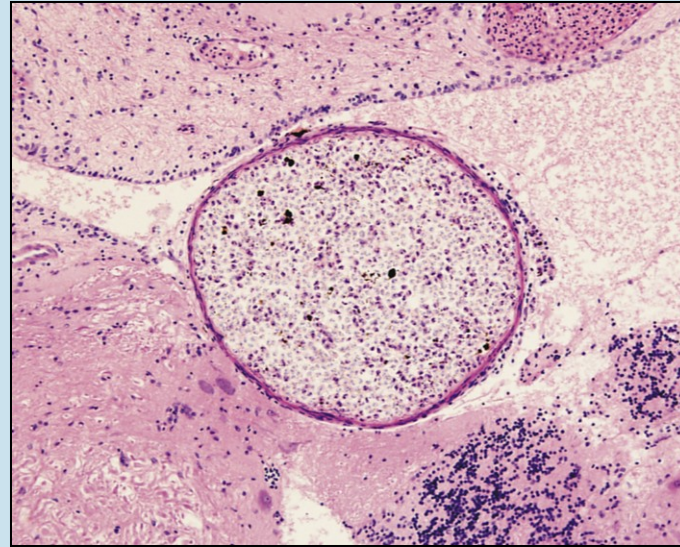
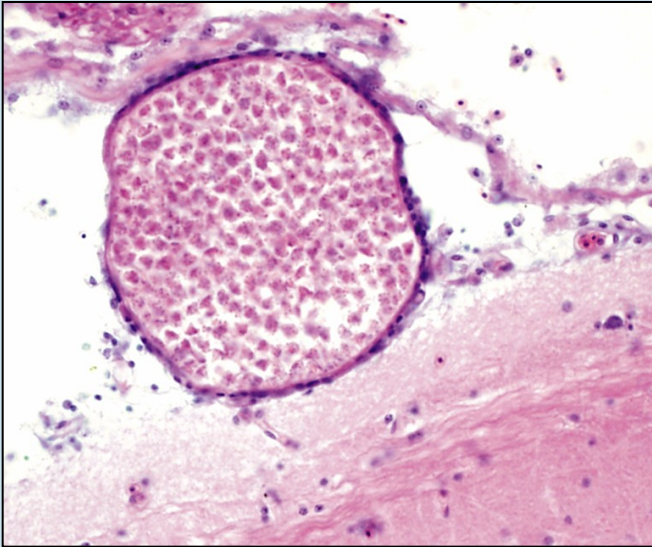
Myxobolus cotti, *C. gobio*,
CNS, mozek a mícha



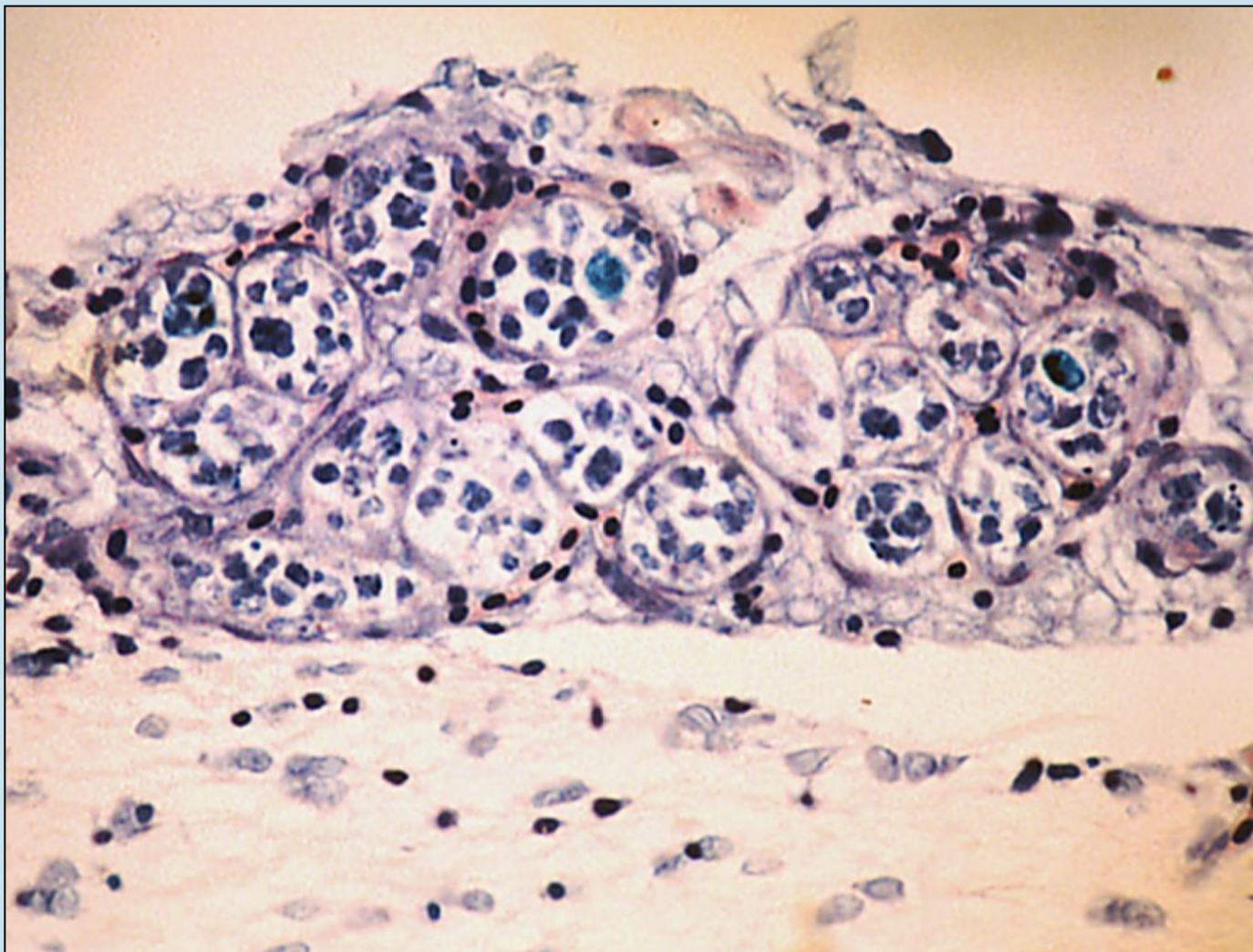
Leze pôsobené myxosporidiemi v CNS

Kudoa sp., *Tetraodon* sp.

Neurčené myxosporidie



Neurčená malá plasmodia a reakce hostitele



Myxobolus encephalicus, sporogonie v cévách plen mozkových