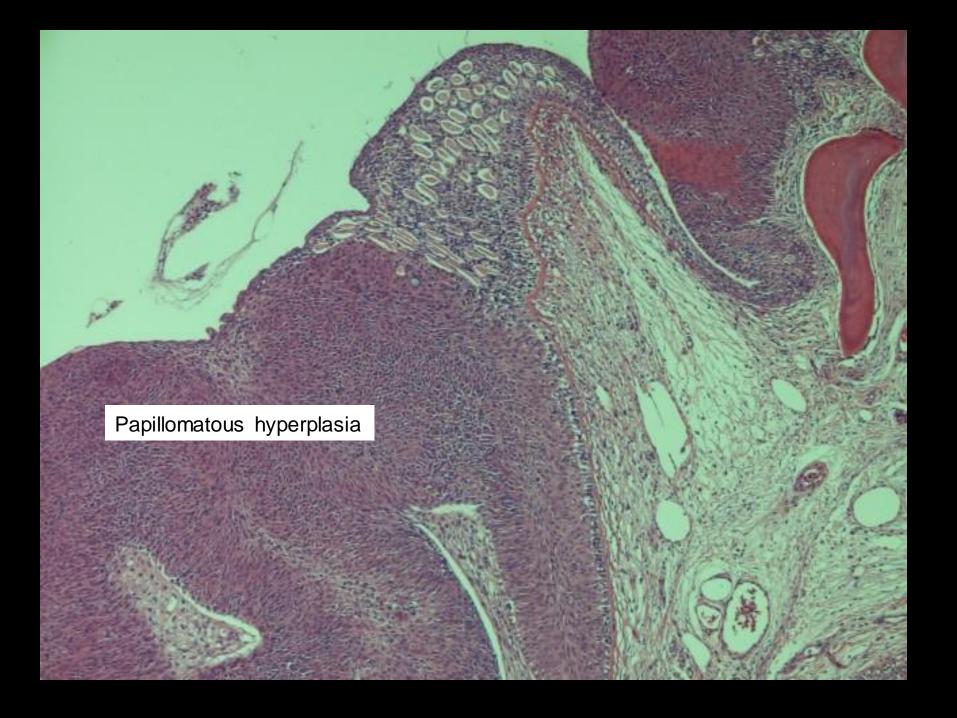


F03/4542

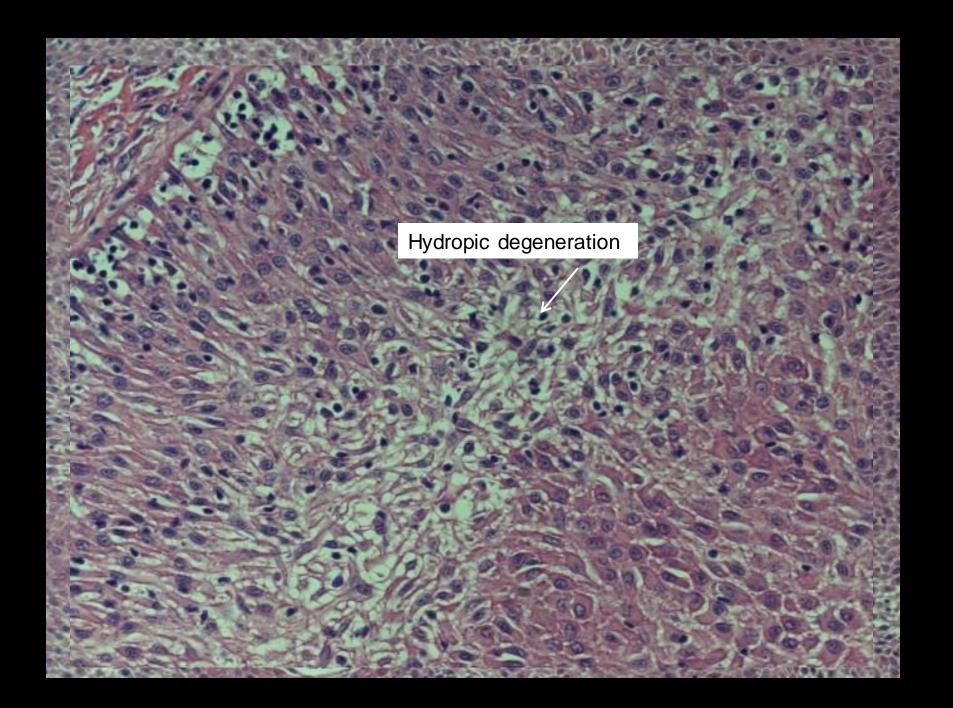
Common carp, pond

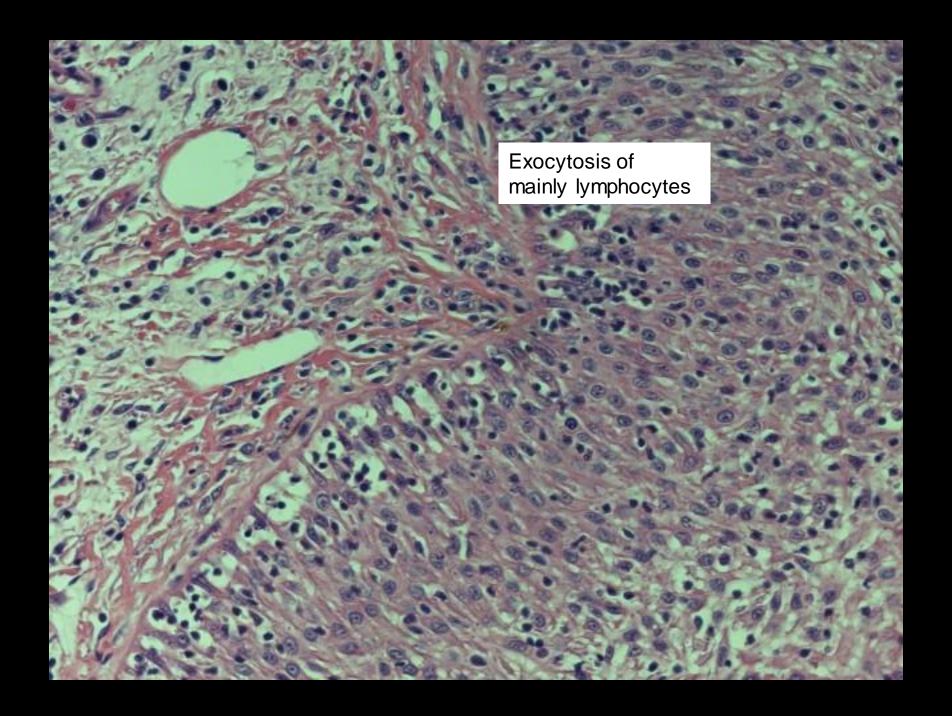
Clinic: multiple whitish nodules on skin, non-lethal temperature dependant, clinical symptoms mainly in spring, later regression













Skin, epidermal hyperplasie, multifocal, severe

Aetiology

Herpesvirus cyprini (Cyprinid herpesvirus 1)

Carp pox, Epithelioma papillosum carpio



Fi227/98

Ornamental fish, freshwater aquaria

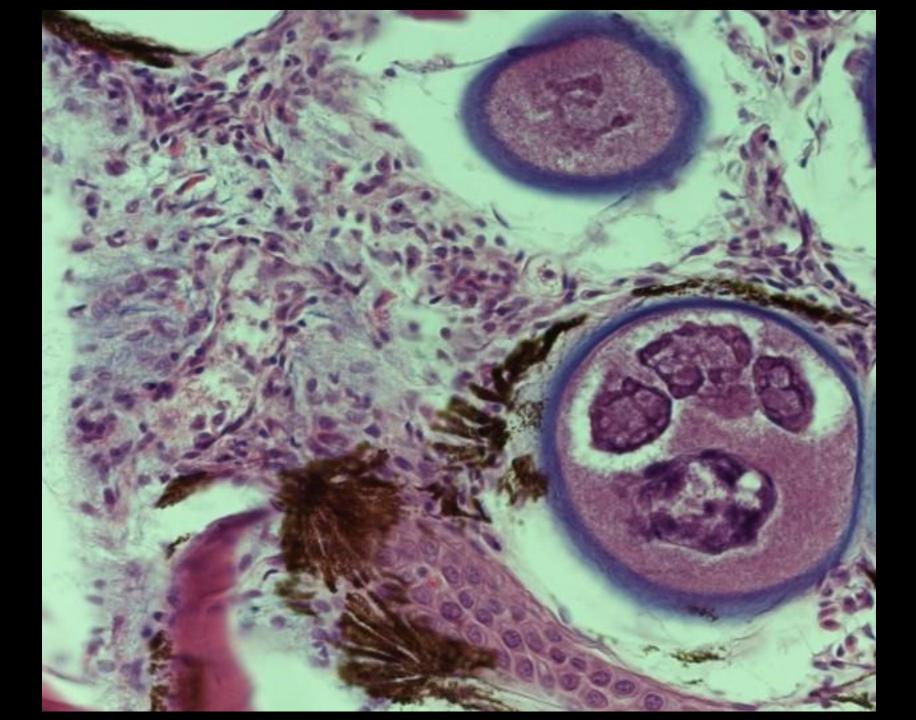
Clinic: non-lethal, multiple white nodules on skin and fins

Organs: skin, fins











Skin, fibroblast hypertrophy with intracytoplasmatic inclusion bodies, multifocal, severe

Skin, lymphohistiocytic dermatitis, multifocal, chronic, mild

Aetiology

Lymphocystis Disease Virus, Iridovirus



Neoplasia

F09/629

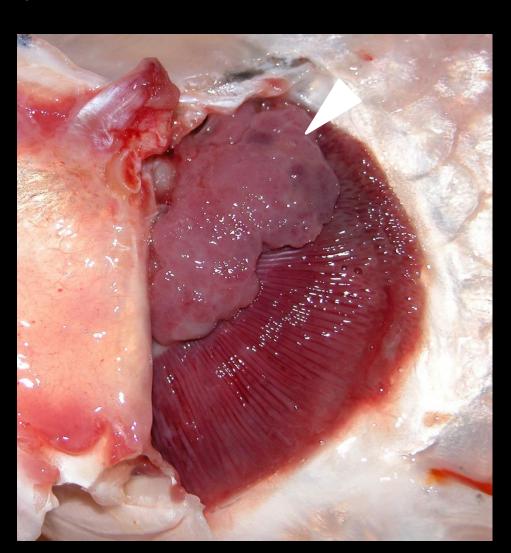
Koi, pond

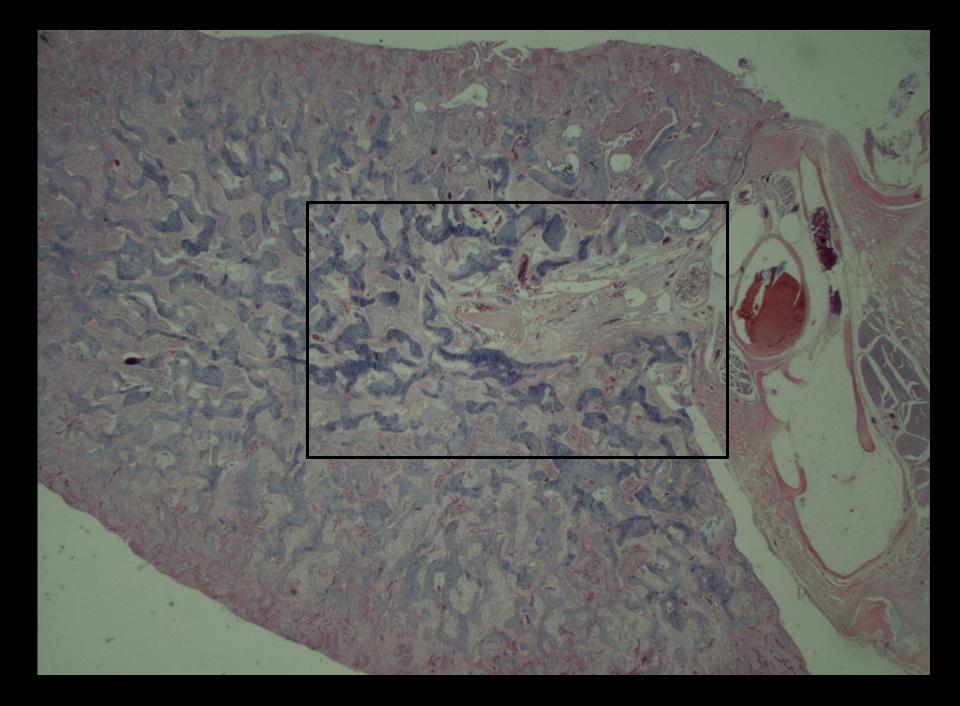
Clinic: Only single animals

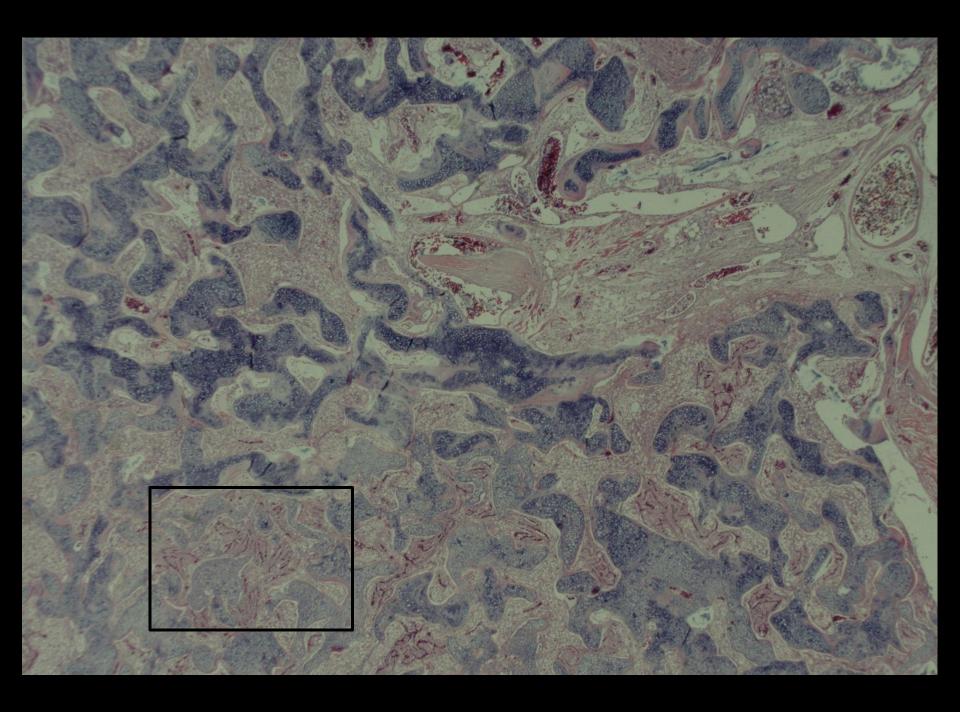
affected, incomplete

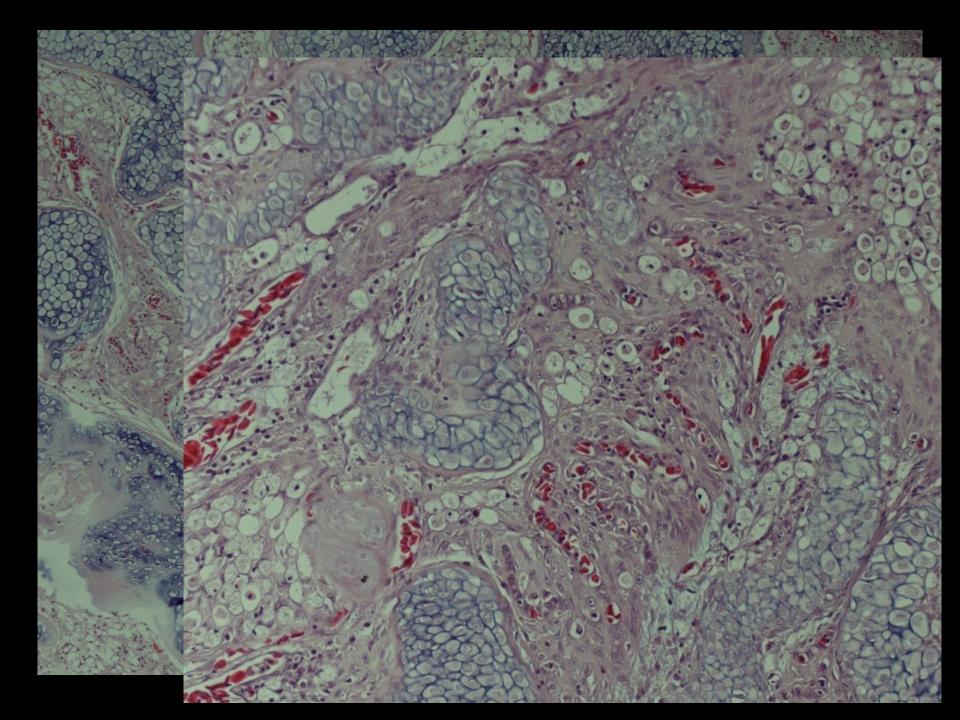
closure of operculum

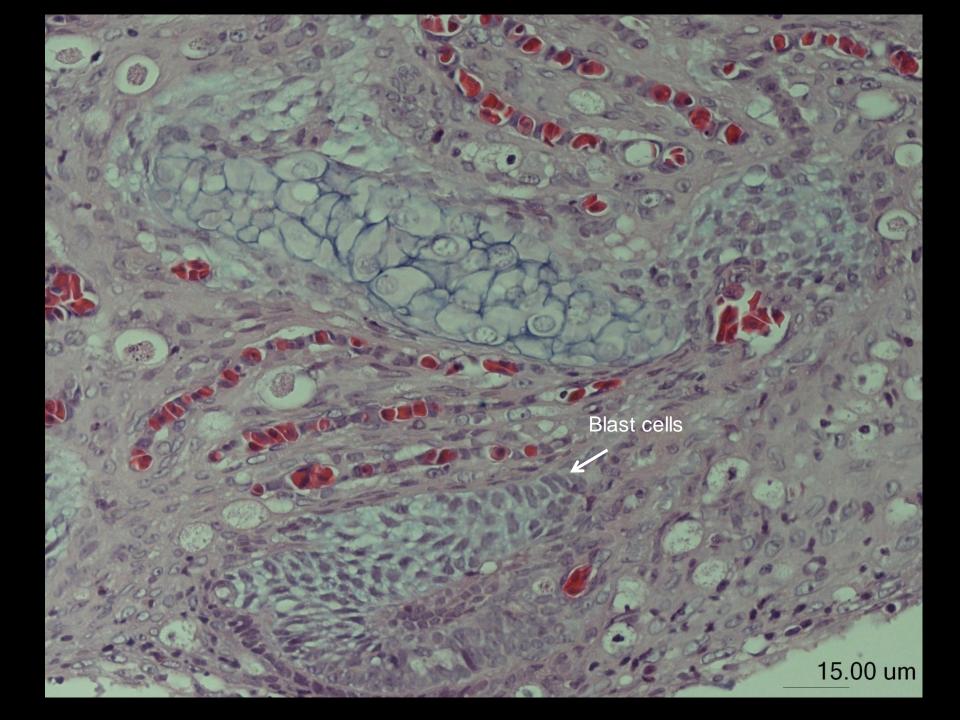
Organ: gills



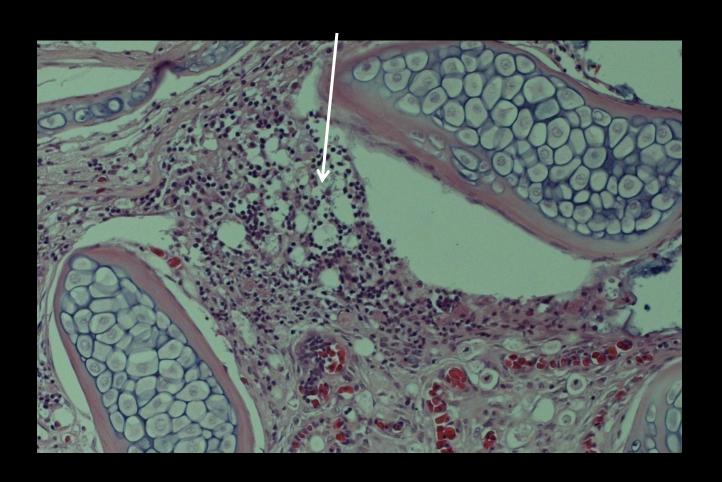








Infiltration with lymphocytes, macrophages, few eosinophilic granular cells





Gills, branchioblastoma

Prognosis

Neoplasia: benign Localisation and expansive growth leads to malfunction of gills → lethal Usually surgery not possible



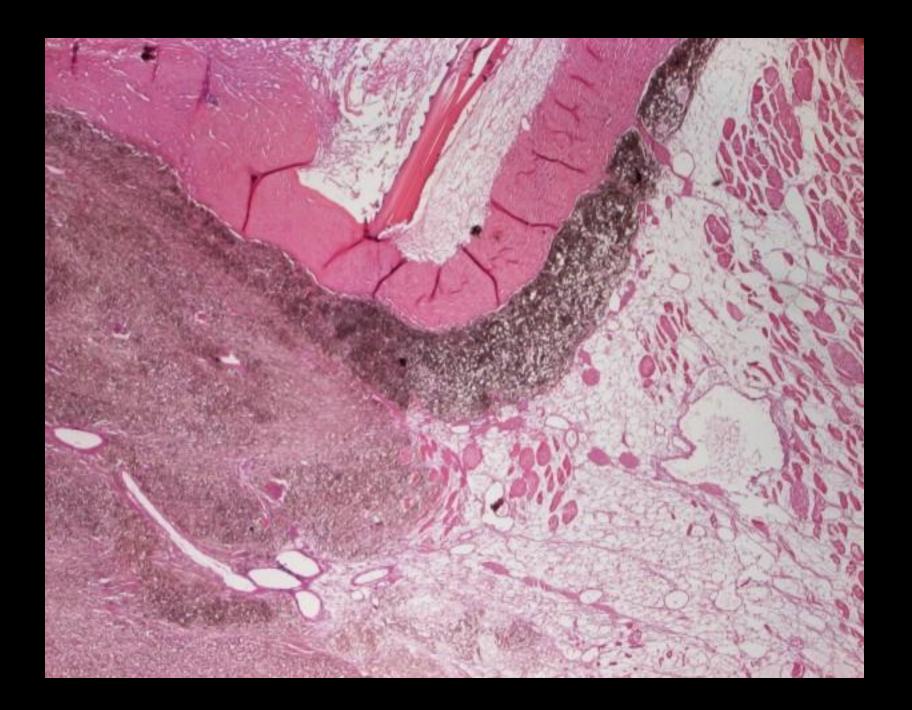
F01/2354

Feral grayling

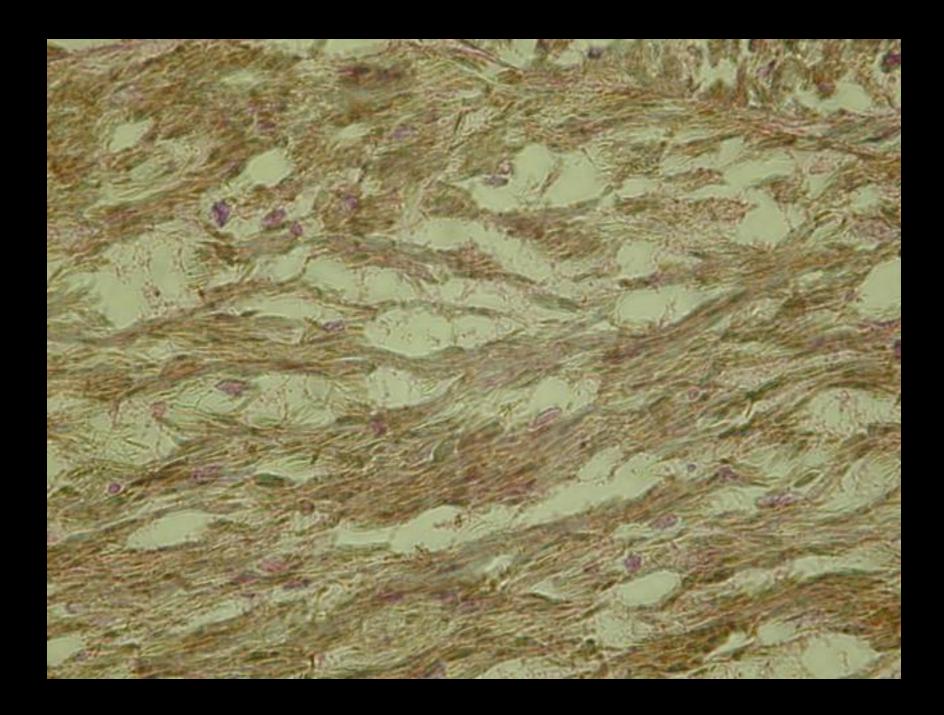
Clinic: silver nodule on skin

Organ: skin











Skin, iridophoroma



Miscellanous disorders

F08/2311

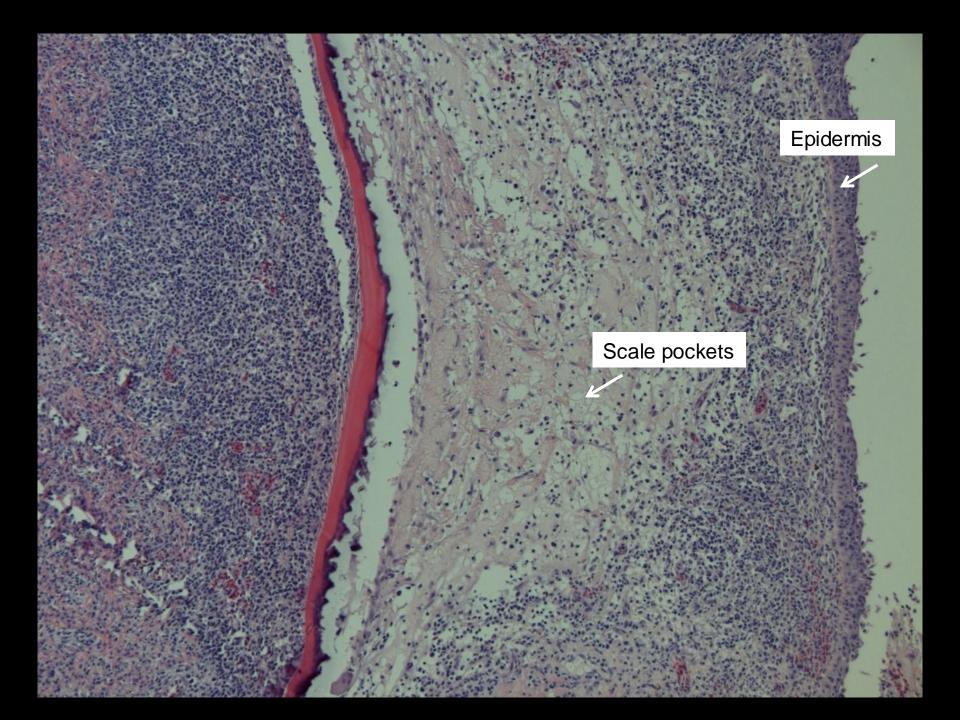
Rainbow trout, fish farm

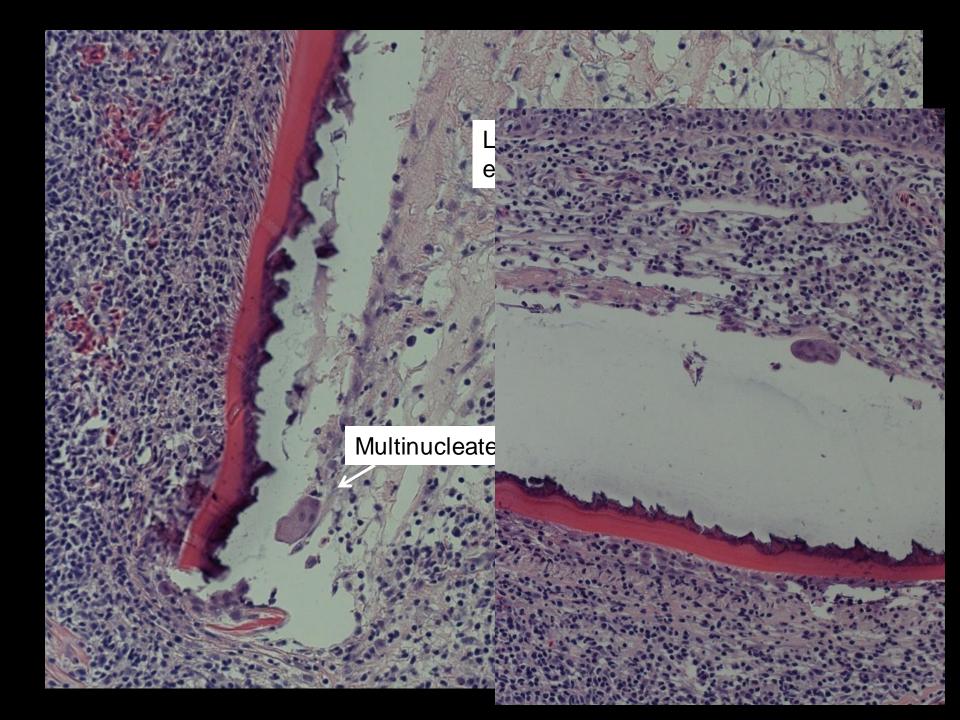
Clinic: non-lethal, low morbidity

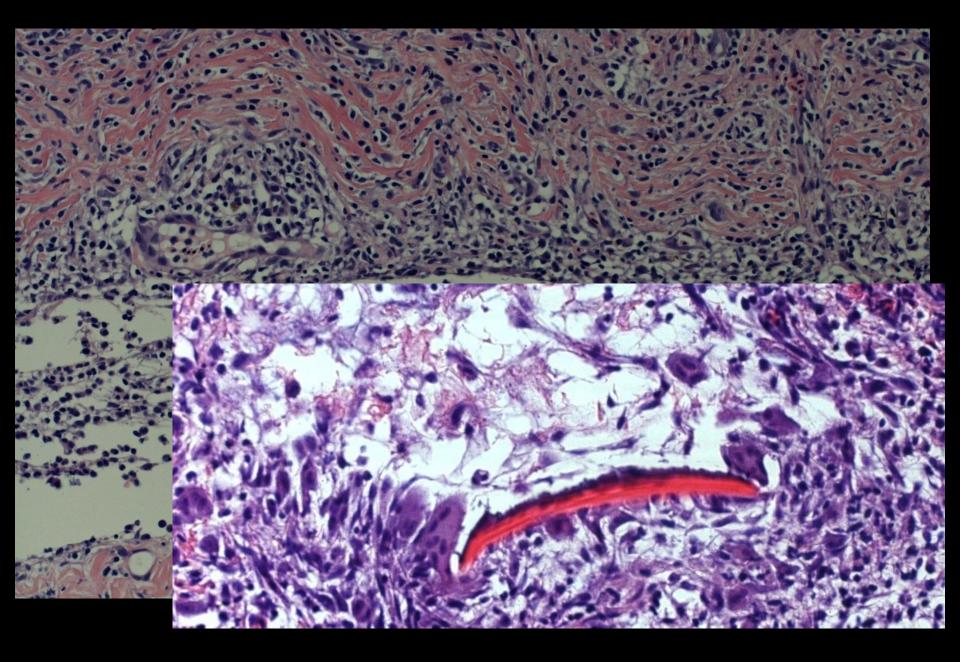
Rainbow trout > 100 g, single to multiple reddish to whitish nodules on body site

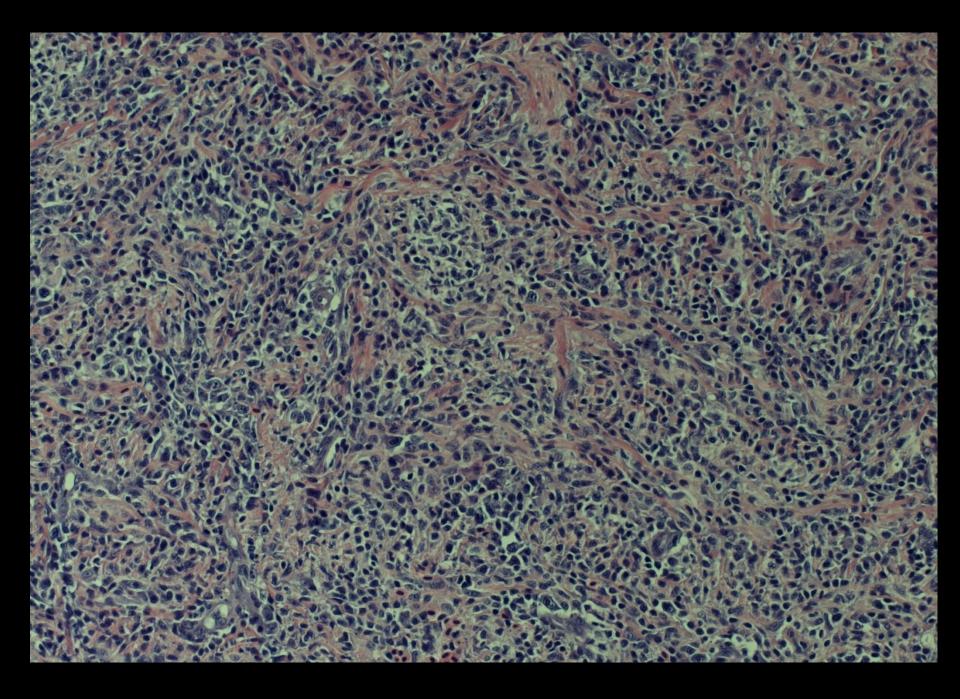
Organ: skin









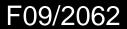




Skin, granulomatous dermatitis, focal extensive, severe, chronic with scale resorption

Red mark syndrome (Cold water strawberry disease)

Aetiology unknown, RLO in discussion



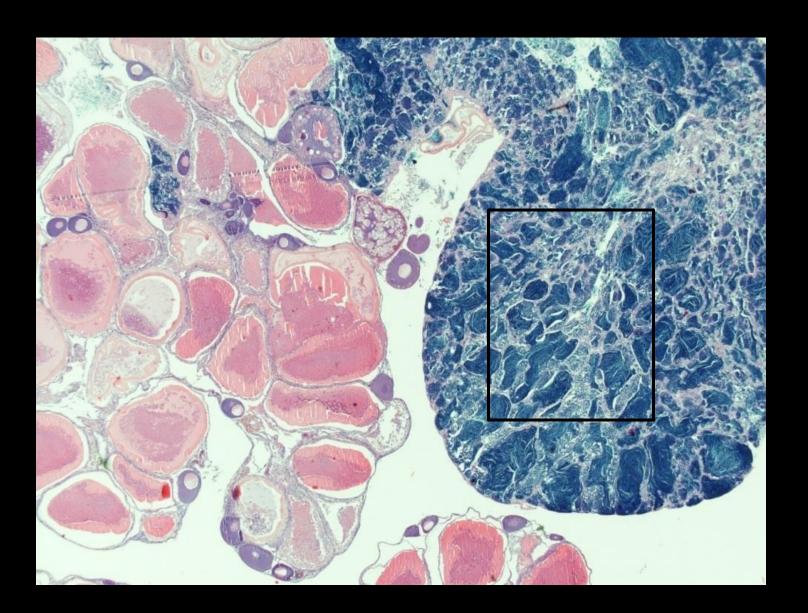


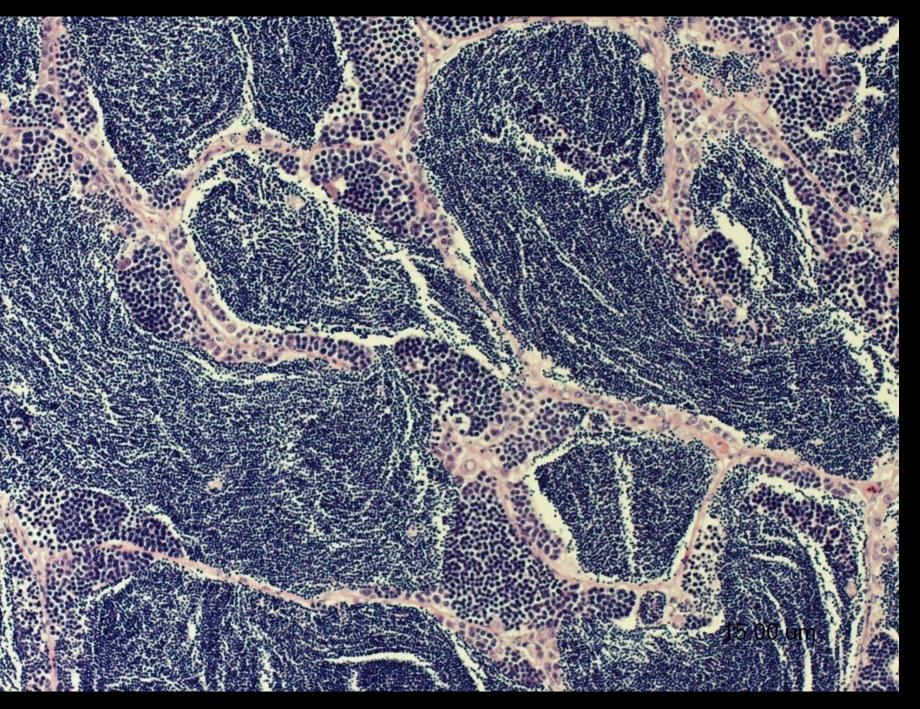
Koi, pond

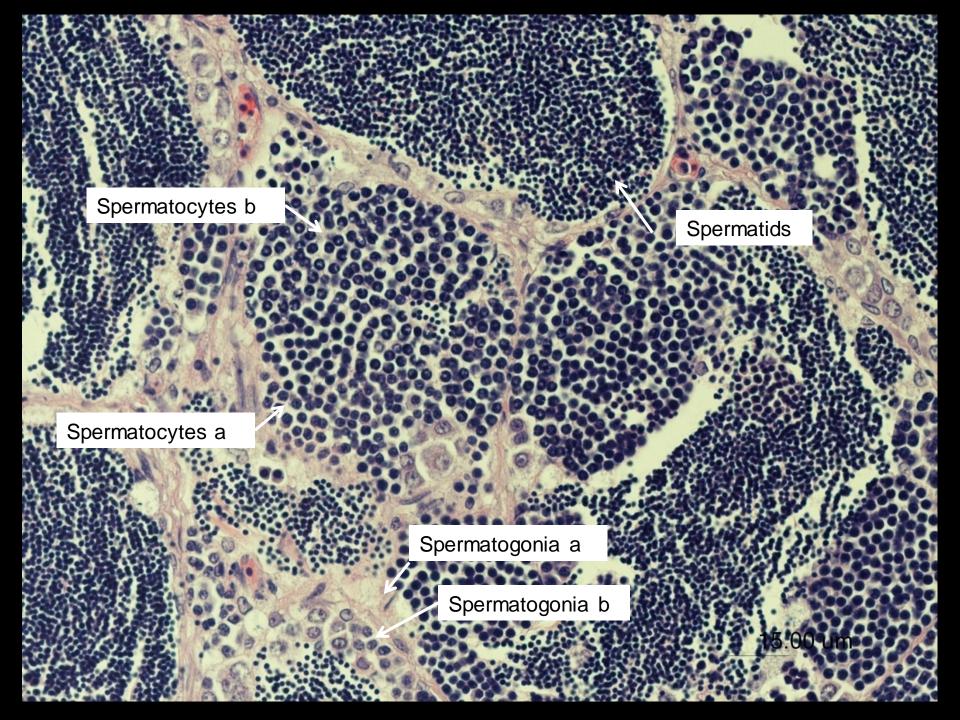
Clinic: no clinical signs, only single animals affected

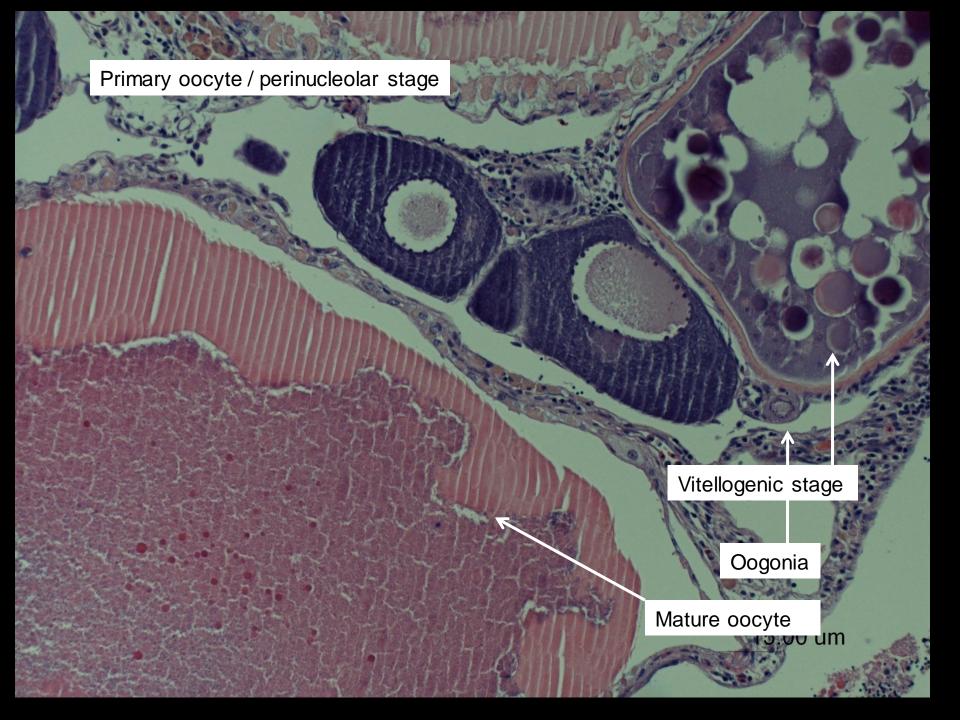
Organ: gonads













Ovotestis, lobular form



Ovotestis (Intersex) in gonochoristic fish

Definition intersex:

Gonads with male and female compartments

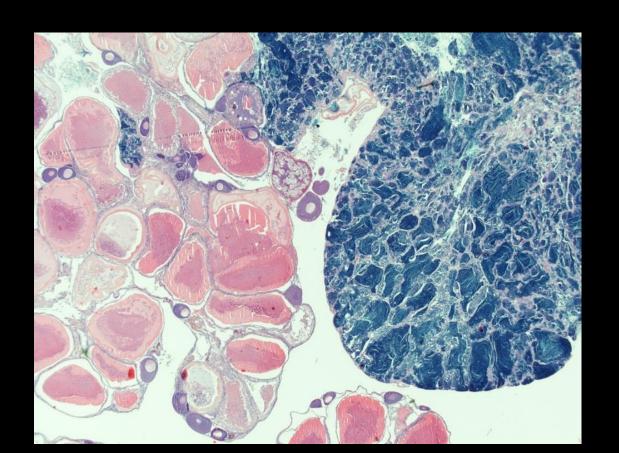
Forms:

- Lobular form
- Mosaik form



Ovotestis lobular form:

two separate compartments of male and female gonadal tissue

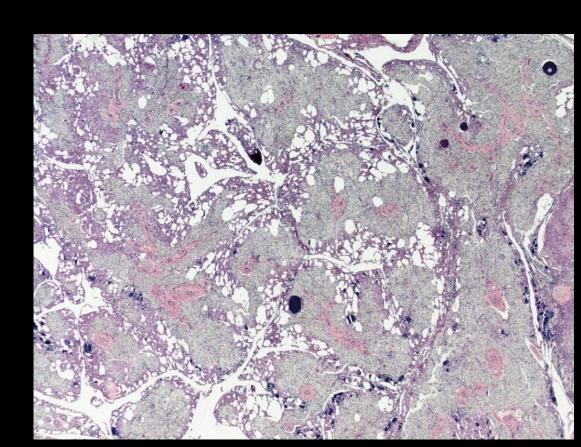


Ovotestis mosaik form:

Oozytes multifocally distributed in testicular tissue

Testicular structure preserved

Most common intersex-form





Occurrence only occasionally

Exception: pollution with oestrogenic substances

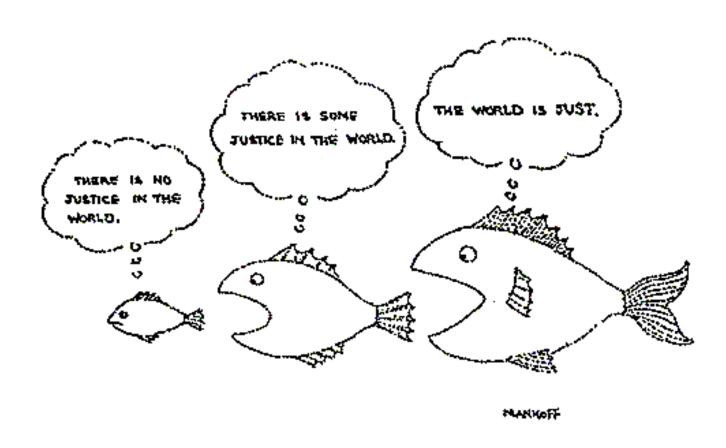
Etiology:

Hormonal active substances (esp. oestrogenic active), e.g. industry

Incidental

Normal, endogenous variance

Hormonal active neoplasms



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