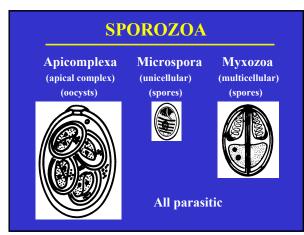
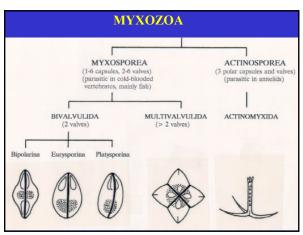


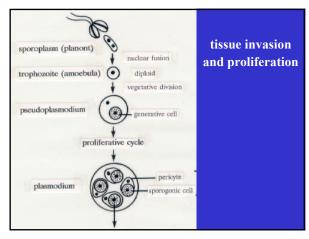
**Multicellular spores** • capsulogenic cells (polar capsules) sporoplasmic cells (infective sporoplasm) valvogenic cells (encapsulating valves)

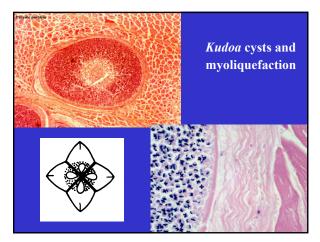
5



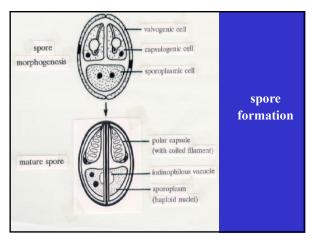


3 6



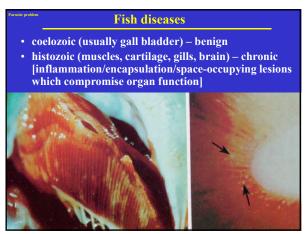


7 10



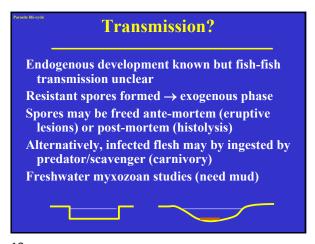


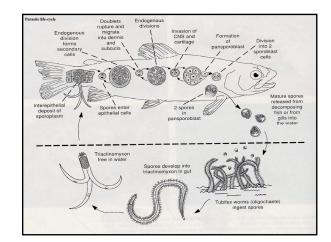
8 11



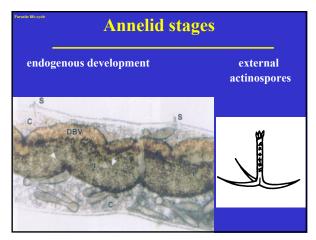


9 12





13 16



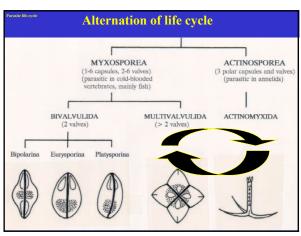
Problem with marine species

Tuna do not eat worms and do not frequent shallow inshore wormy waters

Possible accession through food chain via carnivory of paratenic? hosts

Pilchard (trash fish) diet

14 17



\* spores sperm-like
 \* suspect sexual abuse
 \* Henneguya from salmon

\* Henneguya from callop

15 18

## **SUMMARY**

Spore-forming parasites other than Apicomplexa

## MYXOZOA

- multicellular spores with polar capsules used for attachment
- common coelozoic or histozoic parasites of fish and annelids
- pseudo-parasites of humans (in transit after ingestion)

19

