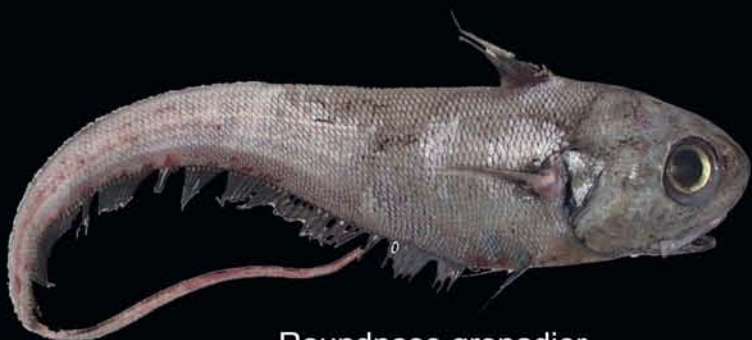


Age estimation of the roundnose grenadier from boreal North Atlantic

Ifremer

Ifremer

Centre Manche-Mer du Nord - Département Halieutique
Laboratoire Ressources Halieutiques de Boulogne sur mer



Roundnose grenadier
Coryphaenoides rupestris

Roundnose grenadier is found in the temperate North Atlantic, from Greenland to West Africa.

It is the main marketed deep sea fish, essentially caught in the West of Scotland.

This bentho-pelagic lives between 400 and 2000 m in depth, and is especially abundant between 800 and 1600 metres.

Roundnose grenadier grows slowly and its long-term longevity is estimated at 60 years.



Concave et convex sides of the otolith

Dorso-ventral cut



High speed diamond saw

Preparation :

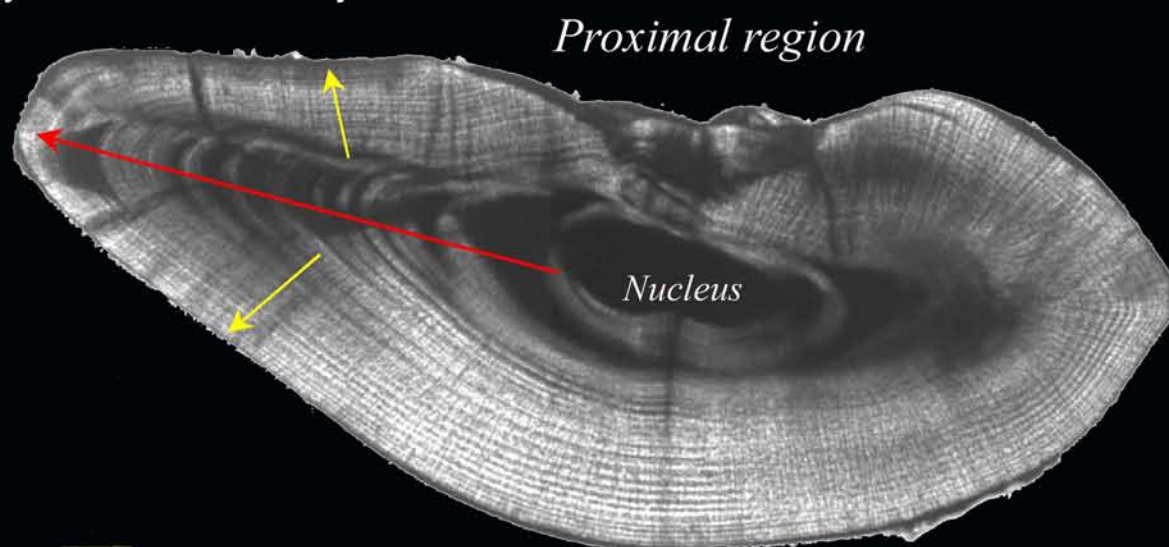
Otolith is embedded in resin, then cutted in thin sections along its dorso-ventral axis.

Observation technique :

A thin section is placed between 2 glass slide with a glycerin drop and observed under a microscope with transmitted light.



Microscope



Proximal region

Nucleus

Distal region

Primary reading axis

Secondary reading axis

