

Surgeonfish / *Acanthurus* sp.



A - IMMATURE

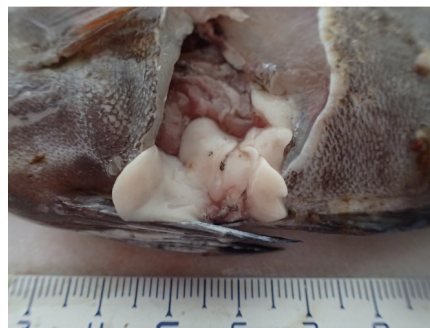
TRANSPARENT TO
TRANSLUCID GONADS



B - DEVELOPING

OPAQUE GONADS IN
TWISTED SHAPE

NON-FLOWING
GONADS



C - SPAWNING

FLOWING GONADS

OPAQUE AND
WHITISH GONADS



D - REGRESSION/REGENERATION

BLOOD RESIDUE IN
TISSUES

FLABBY GONADS

MILT RESIDUALS



Surgeonfish / *Acanthurus sp.*

E - OMITTED SPAWNING

UNDETERMINABLE WITH THE NAKED EYE

F - ABNORMAL

NECROSIS,
SCLEROSIS OR
INTERSEX

Picture	Sex	Species	First maturity size
		<i>Acanthurus bahianus</i>	NA
		<i>Acanthurus chirurgus</i>	NA

References/Photos :

ICES (WKASMSF 2018 & WKMATCH 2012),
IFREMER,

Quéro J-C. et Vayne J-J.2008. Les poissons de mer des pêches françaises : delachaux et niestlé, 304