



## VISCERAL ANATOMY OF THE SAND SOLE (*Pegusa lascaris* (Risso, 1810)) [Pleuronectiformes: Soleidae].

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**French title:**

Anatomie viscérale de la sole blonde (*Pegusa lascaris* (Risso, 1810))  
[Pleuronectiformes: Soleidae].

**Keywords:** Morphology, anatomy, *Pegusa lascaris*.

**Mots-clés:** Morphologie, anatomie, *Pegusa lascaris*.

**Systématique – Systematics (latin)**

Vertébrés – *Vertebrates (Vertebrata)*  
Gnathostomes - *Gnathostomes (Gnathostomata)*  
Osteichtyens – *Osteichthyes (Osteichthyes)*  
Actinoptérigiens – *Actinopterygians (Actinopterygii)*  
Téléostéens – *Teleosteans (Teleostei)*  
Acanthomorphes – *Acanthomorphes (Acanthomorpha)*  
Pleuronectiformes – *Pleuronectiformes (Pleuronectiformi)*  
Soleidés – *Soleids (Soleidae)*  
*Pegusa lascaris* (Risso, 1810)

A dozen of sand sole have been examined for this study. The animals were fished on the North Brittany (France) seashore, excepted the radiographed specimen preserved in the collections of the Muséum National d'Histoire Naturelle (Paris), under the reference: MNHN-0000-3274).

*La douzaine d'animaux disséqués a été pêchée sur les côtes du littoral de Nord-Bretagne (France), à l'exception du spécimen radiographié conservé dans les collections du Muséum National d'Histoire Naturelle (Paris), sous la référence: MNHN-0000-3274).*

**Fig. 1. Anatomy, eyed-side (right) view - plastinated specimen - [anatomie, vue de la face oculée (droite) – spécimen plastiné - ].**

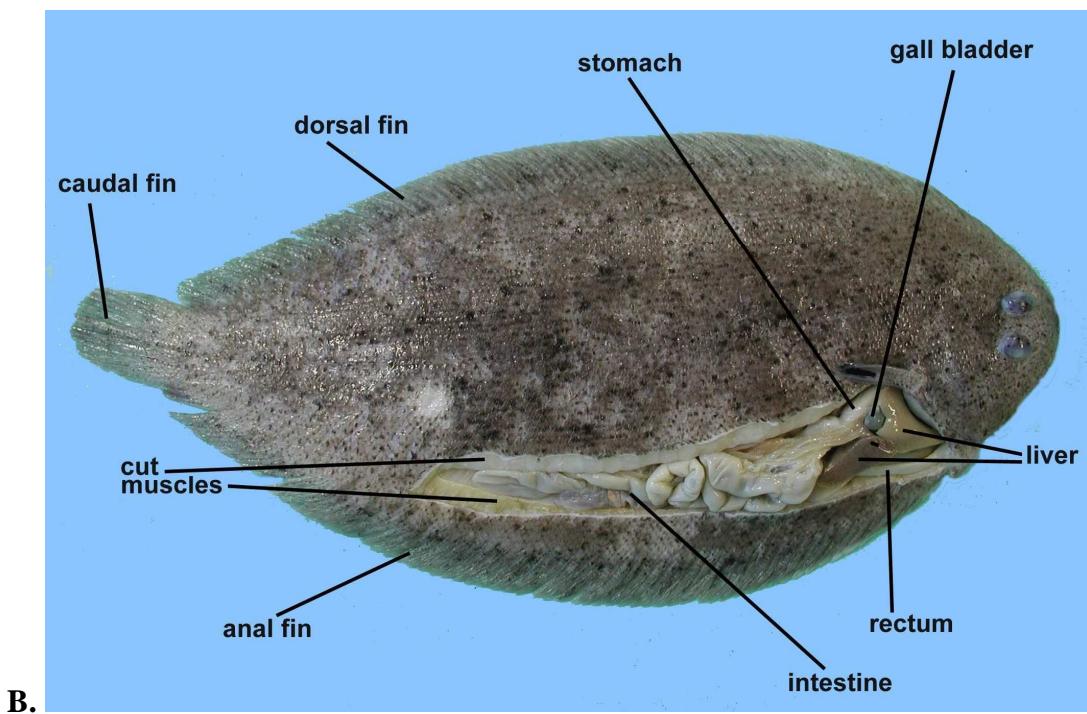
A.



**Total Length : 207 mm. Longueur Totale : 207 mm.**

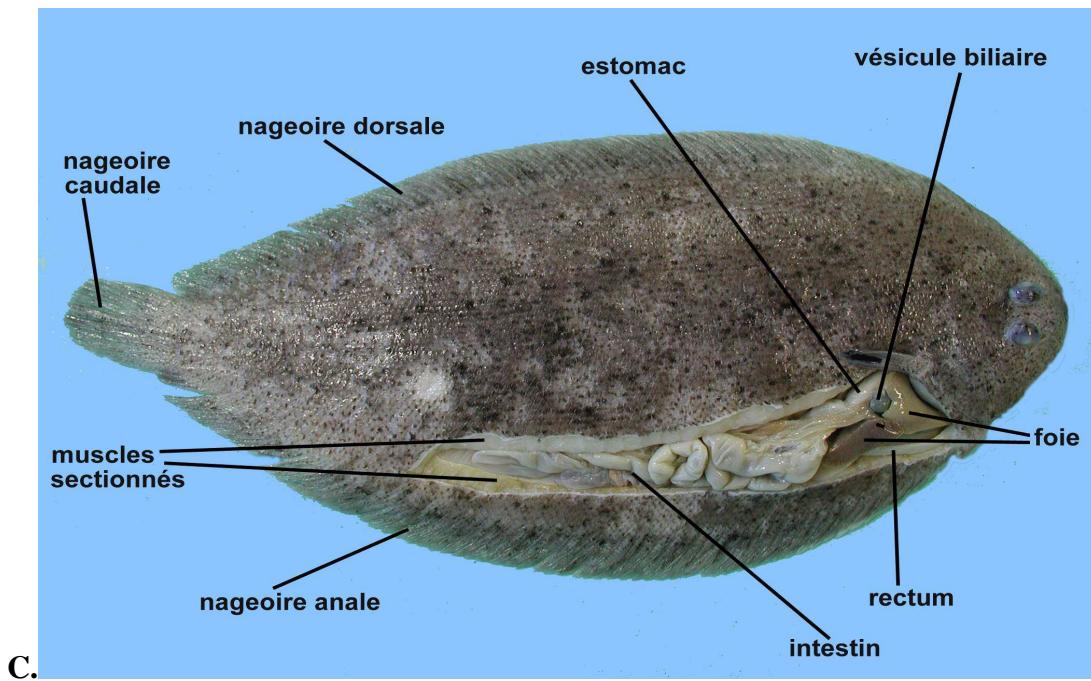
Specimen plastinated immediately after dissection. It is deposited in the collections of the Laboratoire d'Anatomie Comparée (ENVN, Nantes, France)

*Spécimen plastiné au terme de sa dissection. Il est conservé dans les collections du Laboratoire d'Anatomie Comparée (ENVN, Nantes, France).*



B.

Total Length : 207 mm. Longueur Totale : 207 mm.

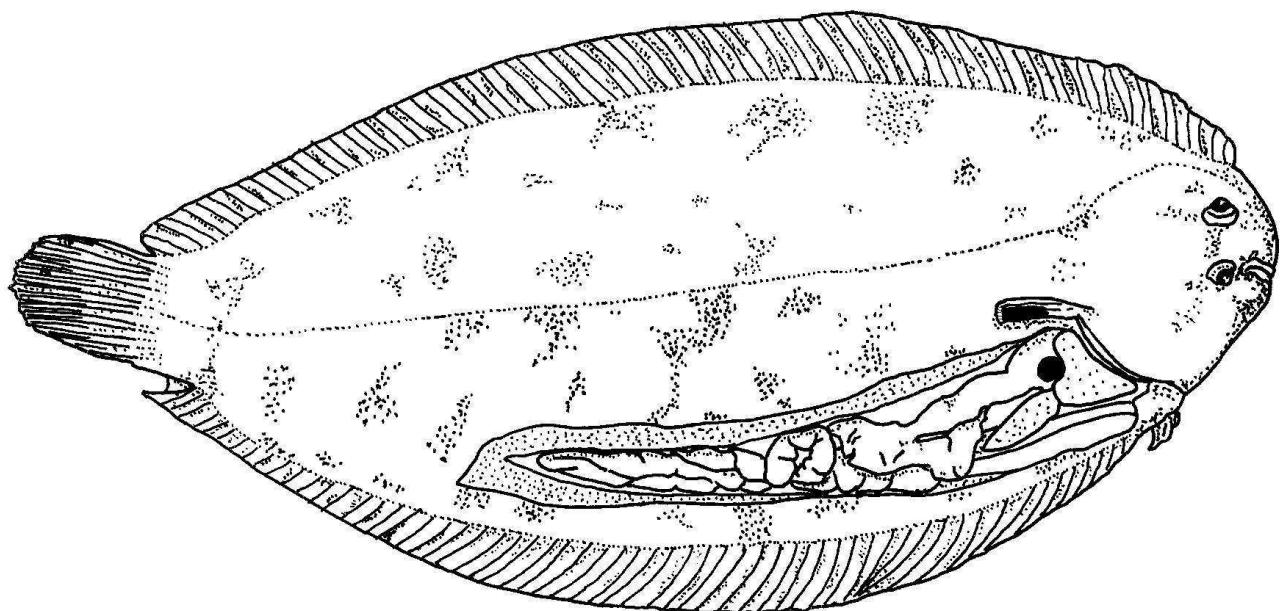


C.

Longueur Totale : 207 mm. Total Length : 207 mm.

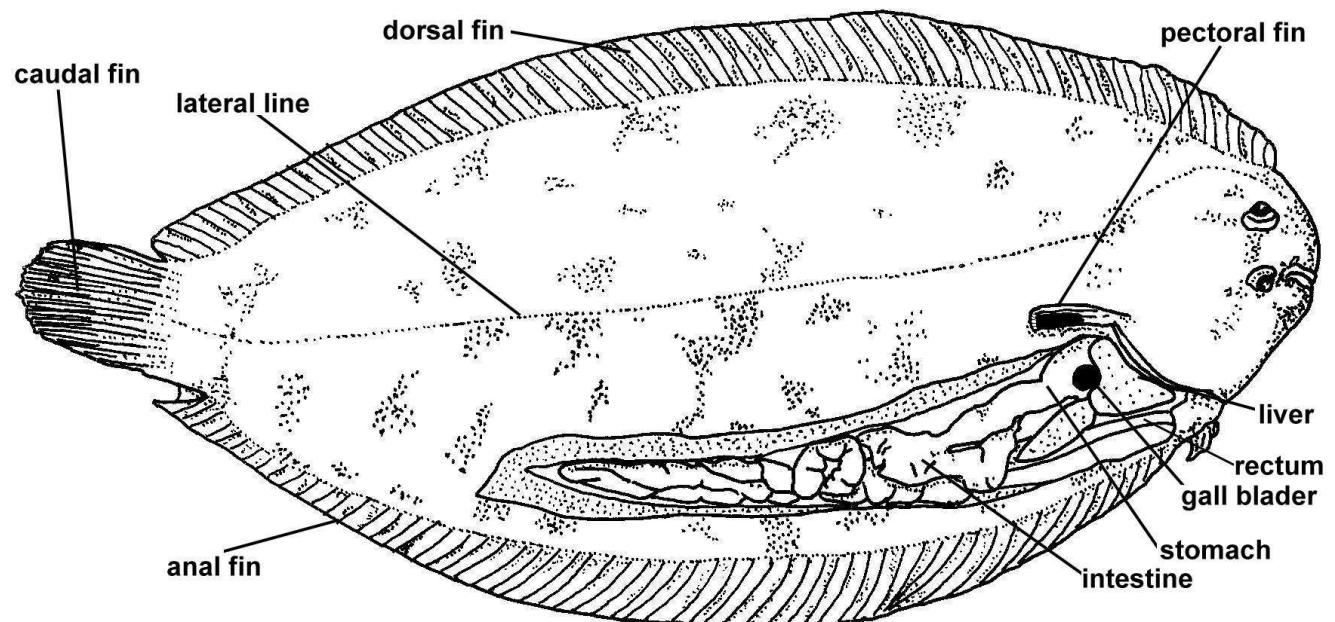
**Fig. 2. Anatomy of the digestive tract, eyed-side (right) view [anatomie du tube digestif, vue de la face oculée (droite)].**

A.



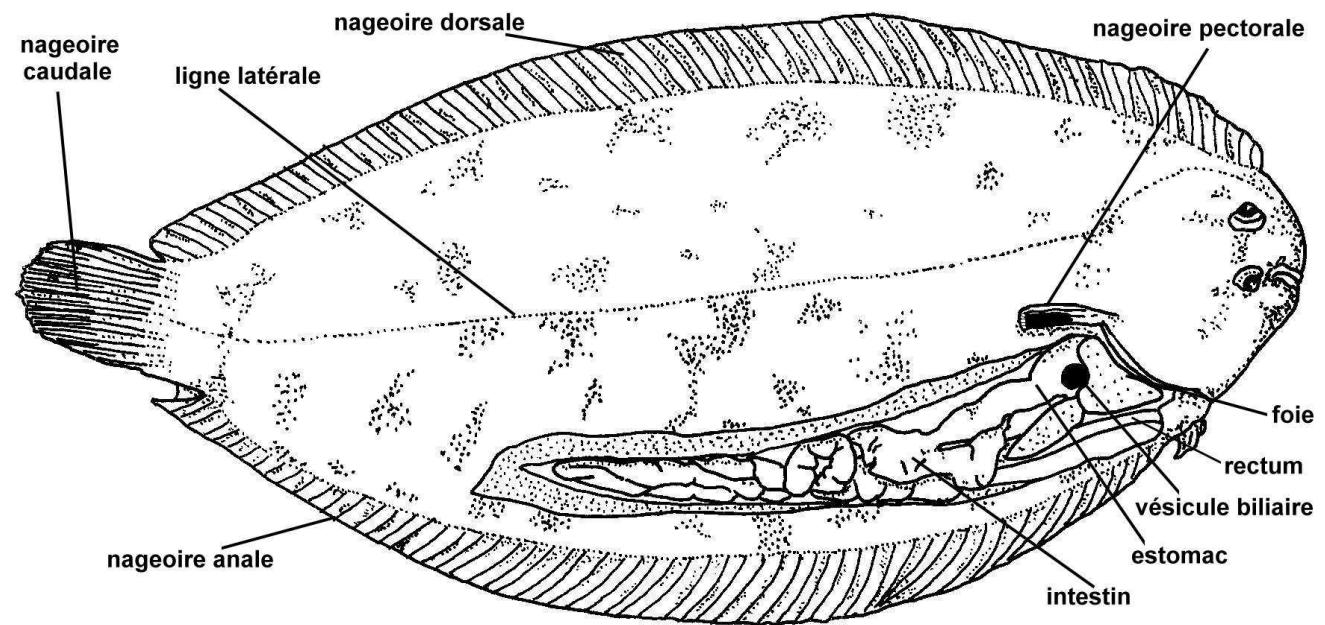
Total Length : 207 mm. Longueur Totale : 207 mm.

B.



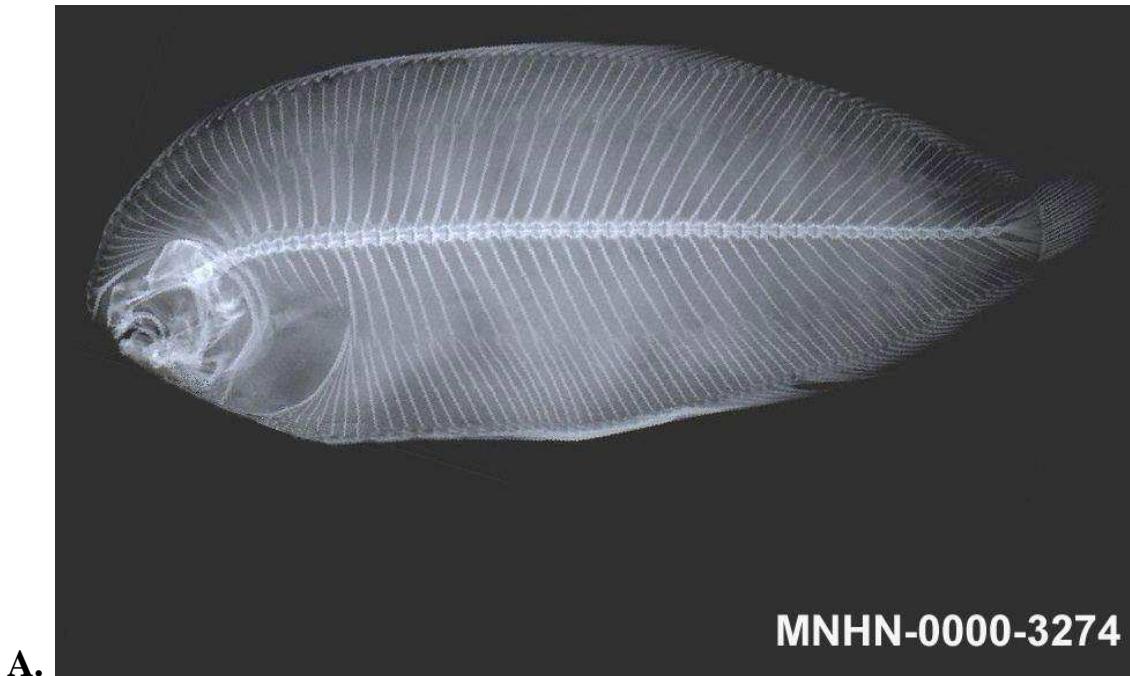
Total Length : 207 mm. Longueur Totale : 207 mm.

C.

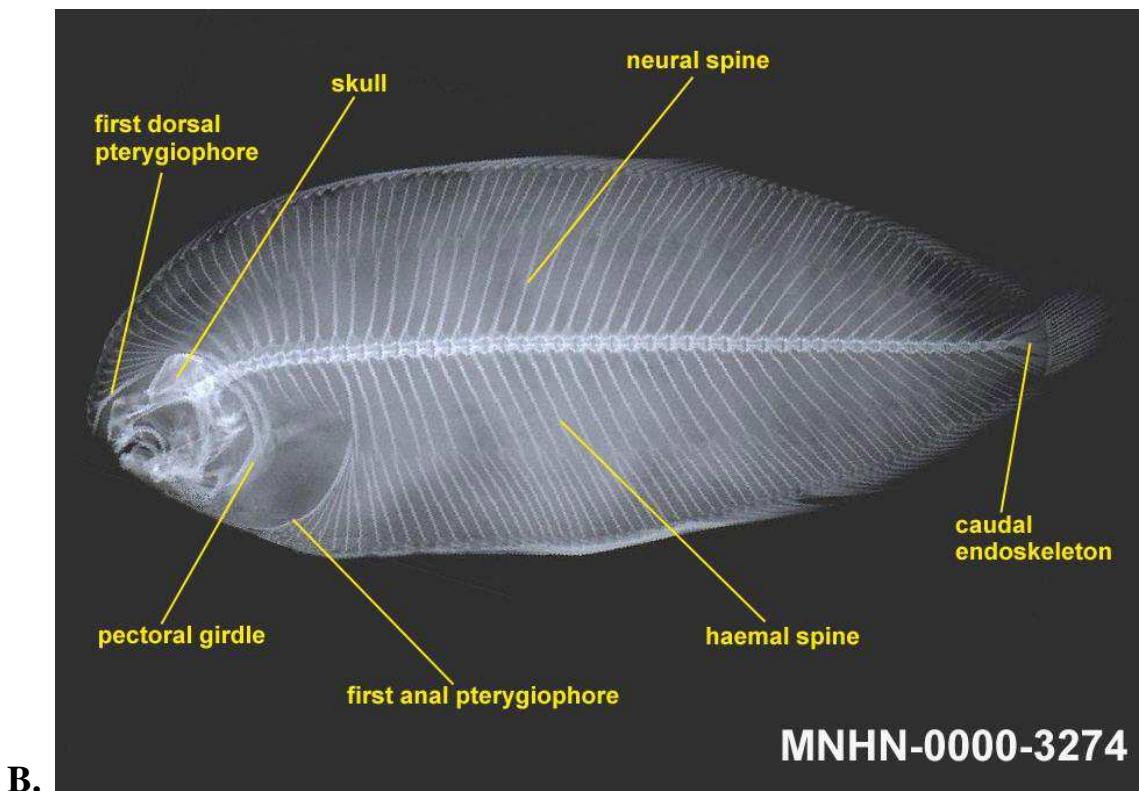


Total Length : 207 mm. Longueur Totale : 207 mm.

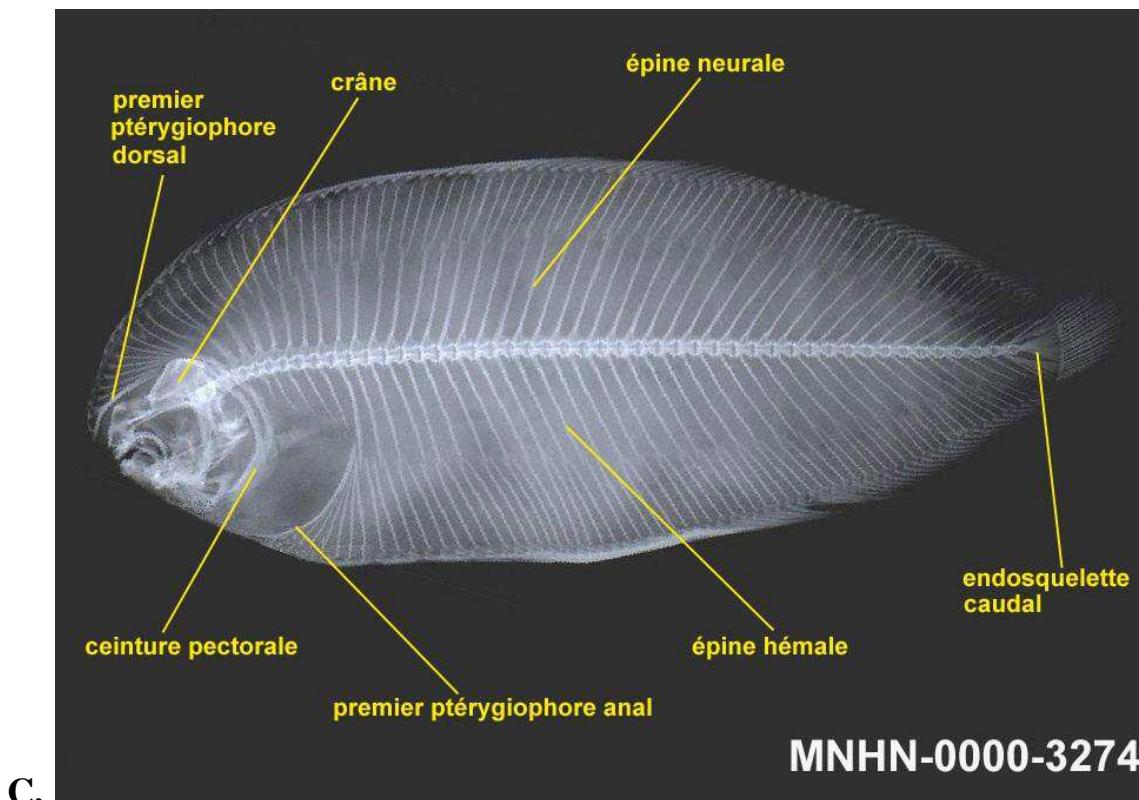
**Fig. 3. Radiography [Radiographie].**



Total Length : 238 mm. Longueur Totale : 238 mm.



Total Length : 238 mm. Longueur Totale : 238 mm.



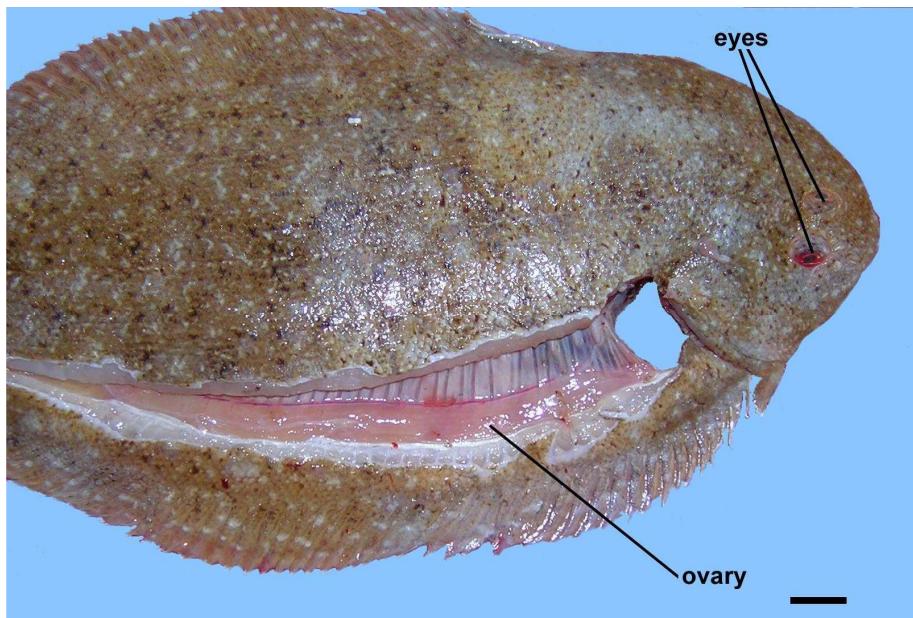
Total Length : 238 mm. Longueur Totale : 238 mm.

**Fig.4. Anatomy of the ovary, digestive tract put away, eyed-side (right) view**  
[Anatomie ovarienne, tube digestif reséqué, vue de la face oculée (droite)].



A.

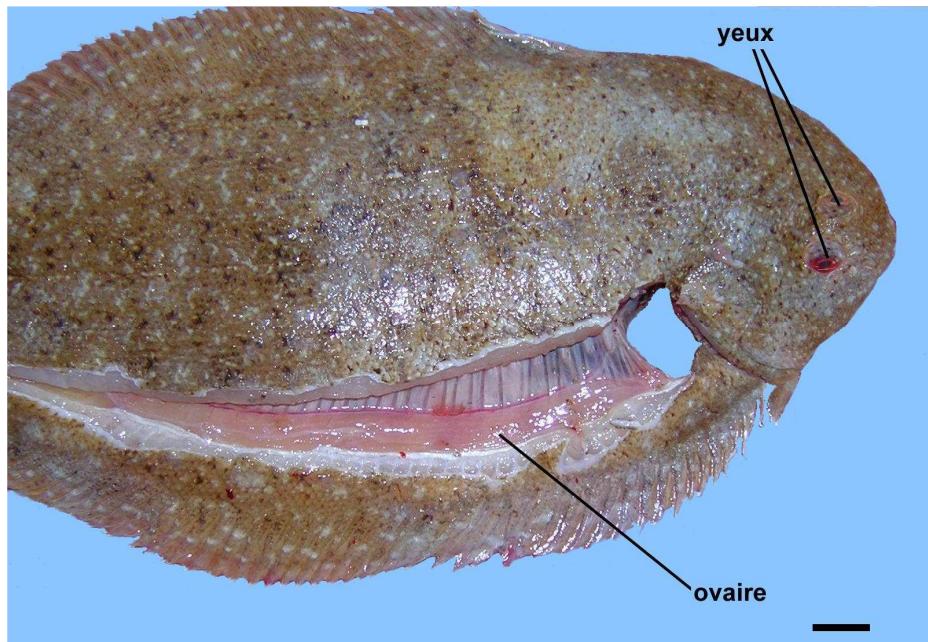
Scale bar = 5 mm. Echelle = 5 mm.



B.

Scale bar = 5 mm. Echelle = 5 mm.

The left asymmetric kidney lobe is visible through haemal spines.

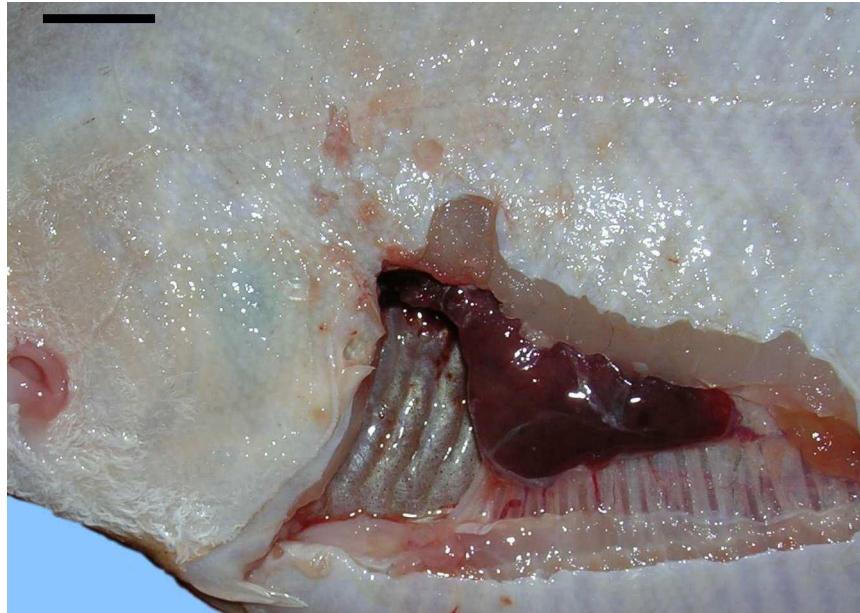


C.

Scale bar = 5 mm. Echelle = 5 mm.

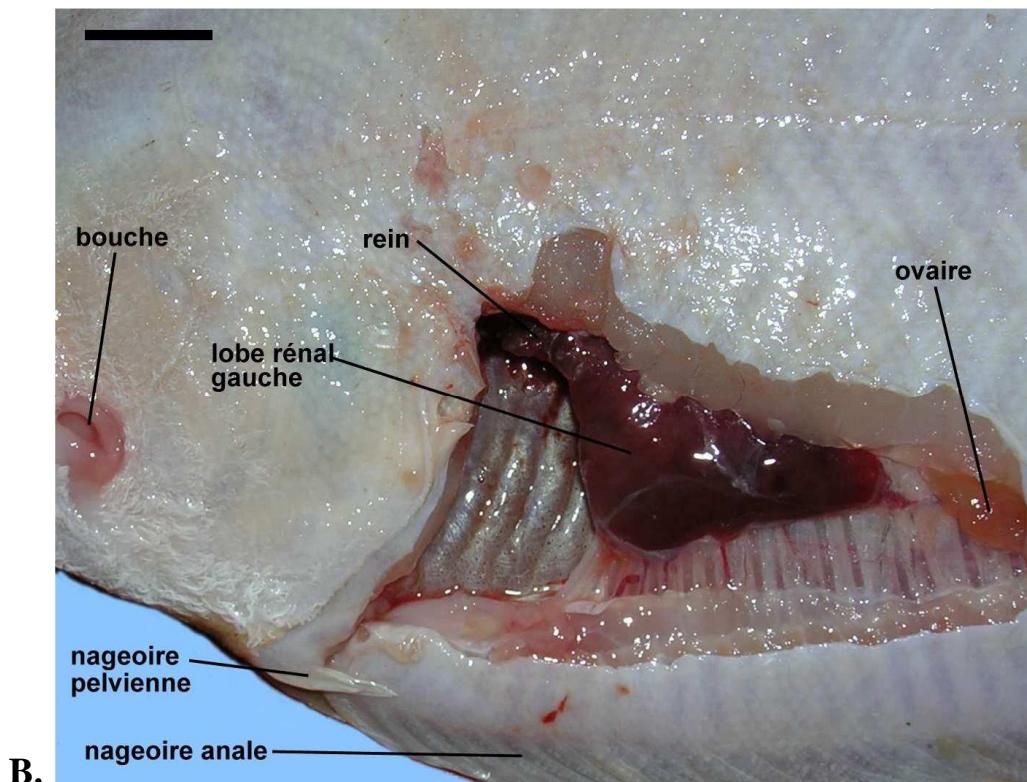
Le lobe rénal gauche asymétrique est vu par transparence au travers des épines hémales.

**Fig.5. Kidney anatomy, blind-side (left) view [anatomie rénale, vue de la face aveugle (gauche)].**

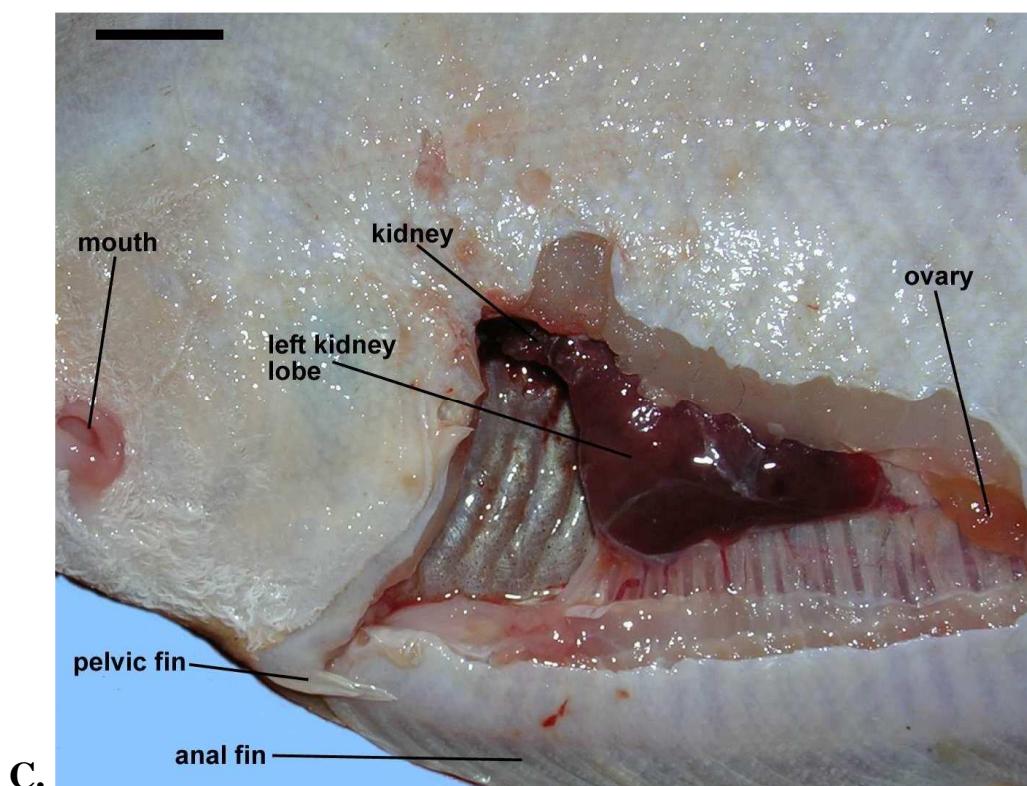


A.

Scale bar = 5 mm. Echelle = 5 mm.



Scale bar = 5 mm. Echelle = 5 mm.

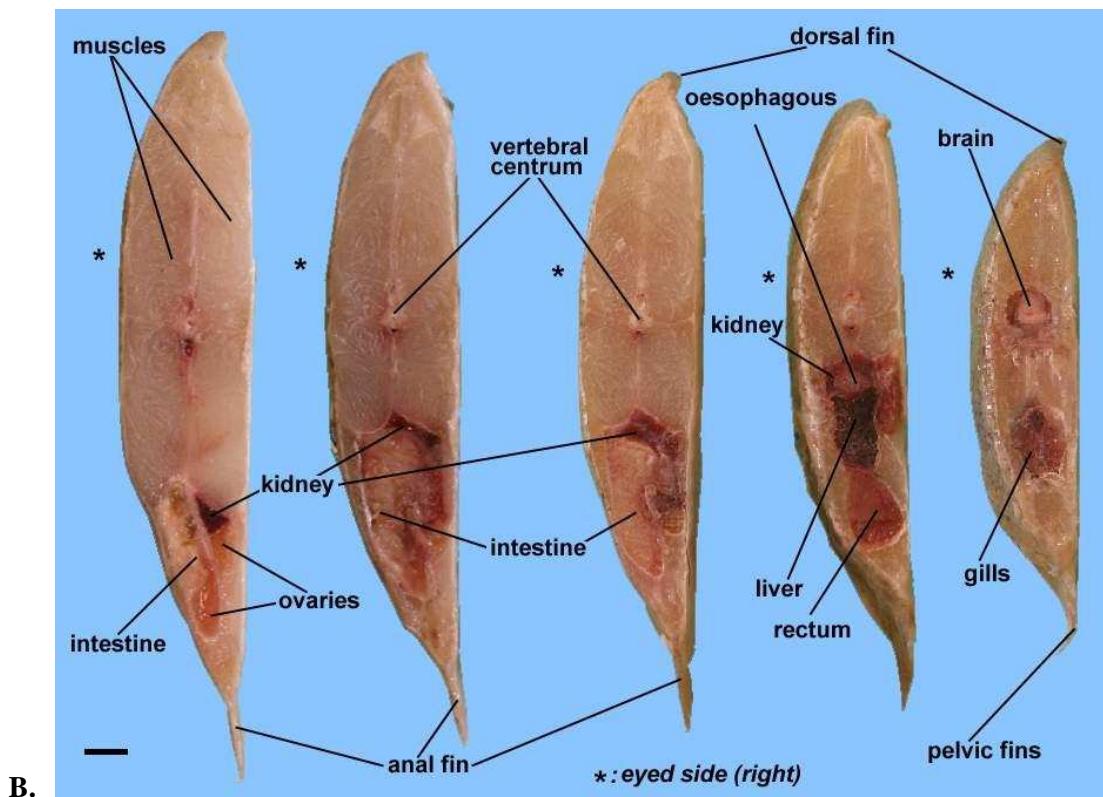


Scale bar = 5 mm. Echelle = 5 mm.

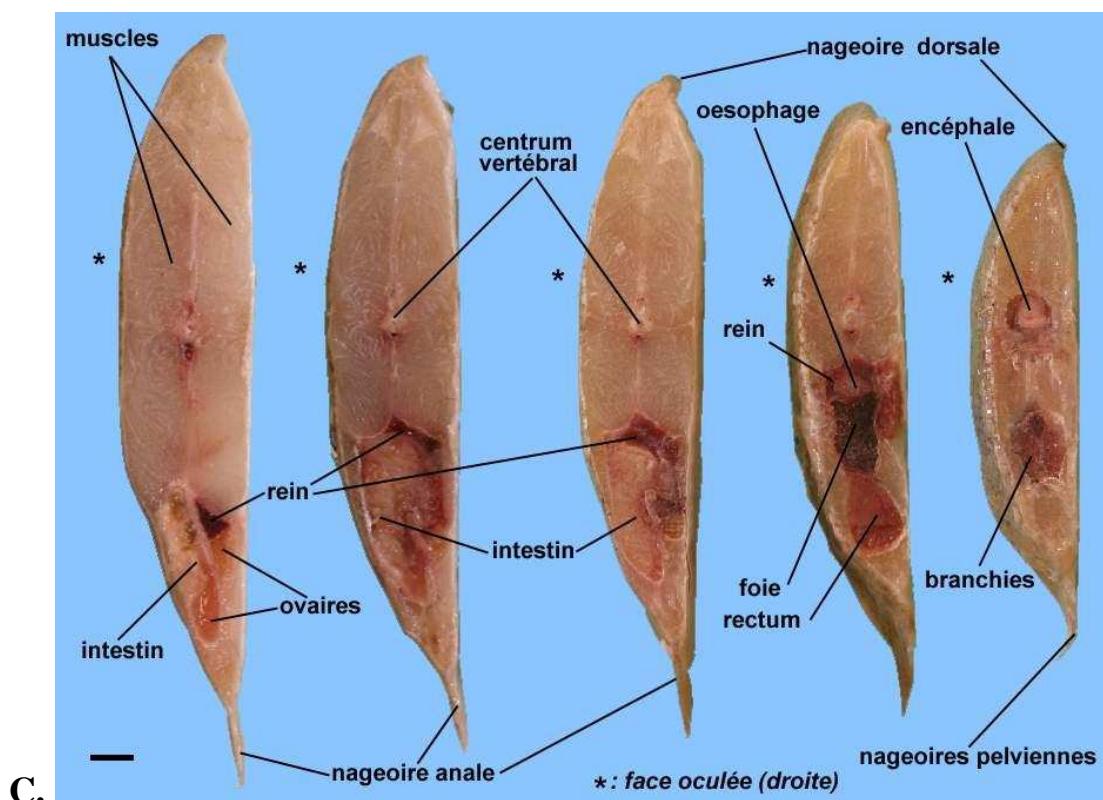
**Fig.6.** Transversal sections on a frozen specimen [coupes transverses sur spécimen congelé].



Scale bar = 5 mm. Echelle = 5 mm.



Scale bar = 5 mm. Echelle = 5 mm.



Scale bar = 5 mm. Echelle = 5 mm.

**Acknowledgements:** E. Betti, R. Dhaoudi, C. Guintard, C. Picard (ENVN, Nantes, France) and two anonymous reviewers.

## Orientations bibliographiques

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To cite this article : Chanet, B. (2012). Visceral anatomy of the sand sole (*Pegusa lascaris* (Risso, 1810)) [Pleuronectiformes: Soleidae], *Cahier d'Anatomie Comparée*, 2012 (4): 11-22, C@C All rights reserved.

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