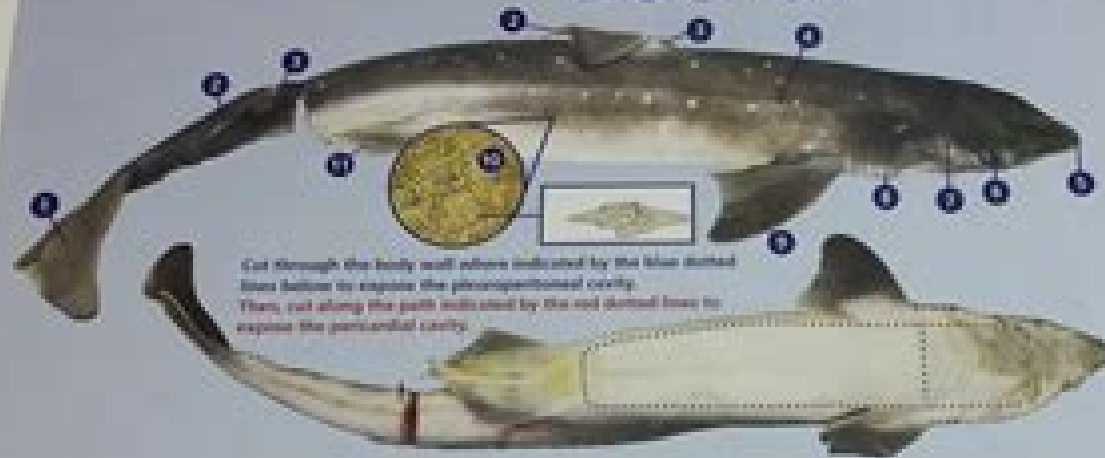


DOGFISH



Cut through the body wall where indicated by the blue dashed line below to expose the pharyngeal cavity. Then, cut along the path indicated by the red dashed line to expose the pericardial cavity.



Examine the snout of the specimen.



Female



Male

1. **Snout** The snout is the nose projecting forward of a fish or dogfish, divided into a larger dorsal lobe and smaller ventral lobe.
2. **Rostrum** The rostrum is the snout's tip, the anterior-most part of the snout.
3. **Gill rakers** Sharp projections anterior to each gill slit. Function is defense, a gland at the base secretes a slimy mucus.
4. **Anterior fin** Anterior fin, used for defense, movement, and attraction in the surrounding water.
5. **Rostrum** Pointed snout tip of a fish, located at anterior end.
6. **Eye** Organs of sight, well developed in dogfish.
7. **Optic nerve** Large opening posterior to each eye, passage for optic nerve to enter the brain for vision during feeding or when the mouth is closed.
8. **Anterior fin** Anterior fin, used on each side of the snout, to catch prey.
9. **Gill rakers** Sharp projections anterior to each gill slit.
10. **Gill slit** The gill slit is the opening in the pharynx through which water enters the gill cavity.
11. **Gill rakers** Sharp projections anterior to each gill slit.
12. **Gill rakers** Sharp projections anterior to each gill slit.
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25. **Gill rakers** Sharp projections anterior to each gill slit.

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Dogfish Dissection Guide Musculoskeletal

Lei Huang

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Dogfish Dissection Guide Musculoskeletal:

Vertebrates Norman K. Wessels, Elizabeth M. Center, 1992-05 **Science Fair Project Index 1981-1984** Deborah Crowe, Akron-Summit County Public Library. Science and Technology Division, 1986 This second supplement to the Science Fair Project Index 1960 1972 includes science projects and experiments found in 135 books and five magazines published from 1981 through 1984 The index is intended for use by students in grades five through high school and teachers who are involved in creating science fair projects *Anatomy of the Dogfish Shark: Skeletal System* Saul Wischnitzer, 1995-01-01

Paperbound Books in Print 1995 Reed Reference Publishing, Reference Reed, 1995-12 *Bowker's Medical Books in Print*, 1974 *Paperbound Books in Print*, 1992 *Dogfish Dissection Manual* Bruce D. Wingerd, 1988 This series of complete and compact laboratory manuals leads students through every stage of the dissection process for rats rabbits frogs and dogfish Each of the manuals corresponding to specimens most often used in high school and undergraduate courses in general biology zoology physiology and comparative anatomy guides the student through a complete dissection with easy to follow directions and accurate clearly labeled illustrations Anatomical structures appear in the sequence encountered during an actual dissection First the external anatomy then the skeletal muscular digestive respiratory circulatory urogenital and nervous systems **A Guide For The Dissection Of The Dog-fish** Lawrence Edmonds Griffin, 2025-05-22 A Guide For The Dissection Of The Dog fish is a detailed manual intended for students and researchers in zoology marine biology and veterinary science Authored by Lawrence Edmonds Griffin this guide provides comprehensive instructions for the anatomical study of the dogfish shark a common subject for dissection due to its representative vertebrate features This book offers step by step guidance through the dissection process covering external anatomy skeletal structure muscular system nervous system circulatory system and internal organs Clear diagrams and illustrations accompany the text enhancing understanding and ensuring accurate dissections This guide is an invaluable resource for anyone seeking a thorough understanding of elasmobranch anatomy This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it This work was reproduced from the original artifact and remains as true to the original work as possible Therefore you will see the original copyright references library stamps as most of these works have been housed in our most important libraries around the world and other notations in the work This work is in the public domain in the United States of America and possibly other nations Within the United States you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work As a reproduction of a historical artifact this work may contain missing or blurred pages poor pictures errant marks etc Scholars believe and we concur that this work is important enough to be preserved reproduced and made generally available to the public We appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant A Guide for the Dissection of the Dogfish (Squalus Acanthias) Lawrence E. Griffin, 2015-06-15 Excerpt from A Guide for the Dissection

of the Dogfish *Squalus Acanthias* The spindle shaped body tapers from near the middle toward both head and tail the head is flattened on both the dorsal and ventral sides while the remainder of the body is nearly round with a lateral compression which is not pronounced except in the caudal portion The general color of the back and sides is gray darkest above where the skin is spotted with scattered small round light spots The color of the upper parts shades into the yellow white of the ventral surface Can head trunk and tail regions be distinguished If so what characters determine the extent of each A little above the middle of the side of the body is the lateral line distinguished partly by color partly by being slightly elevated which extends from the back of the head to the tail Cut through the skin across the lateral line at several points along the body and notice the canal which lies in the dermis under the lateral line This is the lateral line canal which opens to the surface by numerous pores too minute to be seen and contains a series of special sense organs along its dorsal and inner surfaces Near the base of the caudal fin the lateral line canal passes into a groove which continues the lateral line to within a short distance of the edge of the fin The lateral line canal in its development begins as a groove along the side of the body which becomes closed by the fusion of its edge except in this terminal portion The open groove does not appear in *Eugaleus* In the midline of the body are two triangular dorsal fins each attached to the body for about half its length The basal portion of each is thick and muscular and contains supporting cartilages embedded in the muscles The remainder of the fin is flexible and semi transparent horny finrays being faintly visible between the layers of skin In front of each fin is a strong spine which seems to serve both as a cutwater and a weapon of defense *Eugaleus* has no spines The broad paired pectoral fins having the general characteristics of the dorsals spring from the ventral edges of the body just back of the head A hard bar of cartilage connecting the bases of the pectoral fins can be felt through the skin of the ventral surface of the body This is the ventral part of the pectoral girdle Farther back and also on the ventral surface are the paired pelvic fins The pelvic girdle can be felt through the skin between the bases of these fins If the specimen is a male it will have a fingerlike process projecting backward from the base and along the inner side of each pelvic fin These organs which attain a considerable size in adults are modified portions of the pelvic fin used as copulatory organs They are named variously claspers myxopterygia or pterygopodia A groove runs along the dorsal side of the clasper from the tip to near the base where it opens into a long sac glandula pterygopodia extending some distance in front of the pelvic fins just within the skin of the ventral surface By feeling a cartilaginous axis of the clasper can be discovered which extends to the tip of the organ On the dorsal surface and near the end of the clasper is a sharp grooved spine on the outer side and a strongly recurved hook on the inner side both almost hidden by a flap projecting from the inner edge of the groove This flap is stiffened by a series of small cartilages similar to the radial cartilages in the bases of the fins About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at www.forgottenbooks.com

International Books in Print, 1991

A Guide for the Dissection of the Dogfish (*Squalus*

***Acanthias*)** Lawrence Edmonds Griffin, 1922

Anatomy of the Dogfish Shark: Sense Organs Saul Wischnitzer, 1995-01-01

A Guide for the Dissection of the Dog-fish Lawrence Edmonds Griffin, 1907 *Dogfish Anatomy*, 2006 **The Dissection of the Dogfish** Edwin Chapin Starks, Lot Duncan Howard, 1929 **Guide for the Dissection the Dogfish** Lawrence Edmonds Griffin, 1937 *Pictorial Anatomy of the Dogfish* Stephen G. Gilbert, 1973-01-01 Two new laboratory manuals *Pictorial Anatomy of the Dogfish* and *Pictorial Anatomy of the Necturus* have just been added to the highly acclaimed series of dissection guides by Stephen G Gilbert The new manuals contain all the features of those already published and widely adopted as textbooks throughout the English speaking world Realistic illustrations drawn directly from dissections Integrated text and self explanatory plates so that no other textbook is required Complete dissection instructions Anatomical relationshs fully described and illustrated Structures indicated by numbers arteries veins and nerves shown in red blue and yellow respectively for easy identification Numerous lateral views showing relationships not seen in the standard ventral dissection Each subject illustrated by a small marginal diagram so that the student never has to turn another page to see an illustration of the subject under discussion **A Guide for the Dissection of the Dogfish** Lawrence Edmonds Griffin, 2013-09 This historic book may have numerous typos and missing text Purchasers can usually download a free scanned copy of the original book without typos from the publisher Not indexed Not illustrated 1922 edition Excerpt attaching fold of the peritoneum is frequently called the suspensory ligament The peritoneum or coelomic epithelium can be dissected easily from the surface of the liver or the kidney and its extreme thinness and delicacy noted It consists of a single layer of cells Most of the abdominal organs are suspended from the dorsal wall of the body cavity by delicate membranous sheets or mesenteries Similar sheets between the organs are the omenta The stomach is suspended by a mesogaster which extends as a free fold along the body as far as the anterior mesenteric and lienogastric arteries It encloses these and is attached to the spleen pancreas stomach and anterior end of the intestine The spleen is connected with the stomach by the gastro splenic omentum formed by an extension of the peritoneal coat of the stomach around the spleen The liver is connected to the loop of the stomach by the gastro hepatic omentum in which are the hepatic duct portal vein and hepatic artery Near the stomach it is joined by a fold of the peritoneum from the duodenum the duodeno hepatic omentum which also unites with the mesogaster The rectum and rectal gland are supported by a second median mesentary the mesorectum In *Eugaleus* the mesentery extends the entire length of the abdominal cavity It forms a broad sheet attached to the anterior end of the proximal limb of the stomach mesogaster to the anterior end of the intestine mesentery proper and to the rectum mesorectum There is not the reduction of the mesentery which there is in *Squalus* The gonads are suspended from the lateral faces of the mesentery above the stomach and intestine The gastrohepatic omentum forms a broad sheet between the limbs of the stomach joining the **Dissection Guides: The dogfish** Helen Graham Quiller Rowett, 1957 *The Dissector's Guide; a Detailed Investigation of Musculoskeletal Anatomy* Claudette Finley, 1974

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