

# Surface Marking Of Liver

Spleen Similar in structure to a large lymph node, it acts primarily as a blood filter. Back of lumbar region, showing surface markings for kidneys, ureters, and spleen Side of thorax, showing surface markings for bones, lungs (purple), pleura The spleen (from Anglo-Norman espleen; ult. from Ancient Greek σπλήν, splḗn), or milt, is an organ found in almost all vertebrates 7a2cd8f1d2

The liver is in the right hypochondrium, extending through the epigastrium and reaching the left hypochondrium. The spleen and some of the stomach are in the left hypochondrium. 7a2cd8f1d2 The word derives from the Greek word υποχόνδριο ("hypochondrio"). This Greek word means literally "below the cartilage" which refers to the costal cartilages. In other words, the word refers to the area of the ventral trunk that is located below the costal cartilages. The word once referred only to the soft portion of the abdomen between the rib cage and the navel (the region once believed to be the seat of hypochondriasis), but it is not used that way in modern anatomy's schemes for the regions of the abdomen. 7a2cd8f1d2

Human digestive system Digestion involves the breakdown of food into smaller and smaller components, until they can be absorbed and assimilated into the body. The process of digestion has three stages: the cephalic phase, the gastric phase, and the intestinal phase. digestive system consists of the gastrointestinal tract plus the accessory organs of digestion (the tongue, salivary glands, pancreas, liver, and gallbladder) The human digestive system consists of the gastrointestinal tract plus the accessory organs of digestion (the tongue, salivary glands, pancreas, liver, and gallbladder) 7a2cd8f1d2

In its course, it describes an arch, the concavity of which is directed backward and a little upward. Toward its splenic end there is often an abrupt U-shaped curve which may descend lower than the main curve. 7a2cd8f1d2 A 1993 systematic review... 7a2cd8f1d2 It is in relation, in front, with the convolutions of the ileum and the abdominal walls. 7a2cd8f1d2

Transverse colon It is in relation, by its upper surface, with the liver and In human anatomy, the transverse colon is the longest and most movable part of the colon. of the pancreas by a large and wide duplicature of that membrane, the transverse mesocolon 7a2cd8f1d2

== Structures crossed == 7a2cd8f1d2

Ascending colon upward, opposite the colic valve, to the under surface of the right lobe of the liver, on the right of the gall-bladder, where it is lodged in a shallow In the anatomy of humans and homologous primates, the ascending colon is the part of the colon located between the cecum and the transverse colon 7a2cd8f1d2

Parasympathetic innervation to the ascending colon is supplied by the vagus nerve. Sympathetic... 7a2cd8f1d2 Beneath Traube's space lies the stomach, which produces a tympanic sound on percussion. Dullness to percussion over Traube's space may indicate splenomegaly, although this can also be a normal finding after a meal or may indicate certain pathologies, e.g., enlarged left lobe of the liver, a fundus mass, a left pleural effusion, or a massive pericardial effusion. Assessing dullness to percussion may be more difficult in obese patients. 7a2cd8f1d2 == Taxonomy == 7a2cd8f1d2 It is retained in contact with the posterior wall of the abdomen by the peritoneum, which covers its anterior surface and sides, its posterior surface being connected by loose areolar tissue with the iliacus, quadratus lumborum, aponeurotic origin of transversus abdominis, and with the front of the lower and lateral part of the right kidney. 7a2cd8f1d2 It crosses the abdomen from the ascending colon at the right colic flexure (hepatic flexure) with a downward convexity to the descending colon where it curves sharply on itself beneath the lower end of the spleen forming the left colic flexure (splenic flexure). 7a2cd8f1d2 Some sources have disputed usage of the term for the parts of the anterior... 7a2cd8f1d2 The first stage, the cephalic phase of digestion, begins with secretions from gastric glands in response to the sight and smell of food, and continues in the mouth with the mechanical breakdown of food by chewing, and the chemical breakdown by digestive enzymes in the saliva. Saliva contains amylase, and lingual lipase, secreted by the salivary glands, and serous glands on the tongue. Chewing mixes the food with saliva to produce a food bolus to be swallowed down the esophagus to enter the stomach. The second stage, the gastric phase, takes place in the stomach, where the food is further broken down by mixing with gastric juice until it passes into the duodenum, the first part of the small intestine. The intestinal phase where the partially digested food is mixed with pancreatic... 7a2cd8f1d2 In its use in the commercial crabbing industry... 7a2cd8f1d2 The spleen contains red and white pulp, which have distinct purposes contributing to adaptive and innate immunity. The white pulp houses T lymphocytes in periarteriolar lymphoid sheaths (PALS) situated around central arterioles and B lymphocytes in follicles adjacent to PALS. This positioning allows the... 7a2cd8f1d2 It is almost completely invested by the peritoneum, and is connected to the inferior border of the pancreas by a large and wide duplicature of that membrane, the transverse mesocolon. 7a2cd8f1d2

Elwood T. Driver Driver (August 20, 1921 – March 26, 1992) was an American aviator who served as a Tuskegee Airman during World War II. home in Reston, Virginia from liver cancer. He flew 123 missions and he is given credit for one confirmed kill. Biography portal Aviation portal Military history of African Americans List of Tuskegee Airmen Cadet Pilot Graduation Elwood "Woody" T. In 1978 President Jimmy Carter nominated Driver to be a member of the National Transportation Safety Board 7a2cd8f1d2

Transpyloric plane Interspinoous plane Quadrants and regions of abdomen Subcostal The transpyloric plane, also known as Addison's plane, is an imaginary horizontal plane, located halfway between

the suprasternal notch of the manubrium and the upper border of the symphysis pubis at the level of the first lumbar vertebra, L1. It lies roughly a hand's breadth beneath the xiphisternum or midway between the xiphisternum and the umbilicus. Transpyloric plane. The plane in most cases cuts through the pylorus of the stomach, the tips of the ninth costal cartilages and the lower border of the first lumbar vertebra. Front of abdomen, showing surface markings for arteries and inguinal canal 7a2cd8f1d2

The transpyloric plane is clinically notable because it passes through several important abdominal structures. It also divides the supracolic and infracolic compartments, with the liver, spleen and gastric fundus above it and the small intestine and colon below it. 7a2cd8f1d2 Trotlines are similar to a longline, but longlines are fixed to a surface vessel at only one end and usually towed along the water, while trotlines are fixed (usually stationarily) to the surface at both ends via anchored boats, buoys or structures. It is also contrasted with droplines, as a trotline's mainline is laid horizontally across water with a series of vertically suspended snood lines, while a dropline's mainline is suspended vertically (using a weight) from a floating buoy with a series of side-branching snoods. 7a2cd8f1d2 == Percussion for splenomegaly == 7a2cd8f1d2 == Variations == 7a2cd8f1d2 == Characteristics and structure == 7a2cd8f1d2 The normal human spleen measures about 125 millimeters in length, and enlargement of the spleen (splenomegaly) is an important clinical sign. There are 2 possibilities to evaluate splenomegaly in the clinical examination: percussion and palpation. Percussion can be done in this space. 7a2cd8f1d2 The ascending colon is smaller in calibre than the cecum from where it starts. It passes upward, opposite the colic valve, to the under surface of the right lobe of the liver, on the right of the gall-bladder, where it is lodged in a shallow depression, the colic impression; here it bends abruptly forward and to the left, forming the right colic flexure (hepatic) where it becomes the transverse colon. 7a2cd8f1d2

School shark It feeds both in midwater and near the seabed, and its reproduction is ovoviviparous. It can grow to nearly 2 m (6 ft 7 in) long. Mature sharks range from 135 to 175 cm (53 The school shark (*Galeorhinus galeus*) is a houndshark of the family Triakidae, and the only living member of the genus *Galeorhinus*. The IUCN has classified this species as critically endangered in its Red List of Threatened Species. Common names also include tope, tope shark, snapper shark, and soupfin shark. Juveniles have black markings on their fins. It is found worldwide in temperate seas at depths down to about 800 m (2,600 ft). (dorsal) surfaces and white on their bellies (ventral surface). This shark is caught in fisheries for its flesh, its fins, and its liver, which has a very high vitamin A content 7a2cd8f1d2

== Early life == 7a2cd8f1d2

Trotline with most methods involving weights at the end of snoods to keep them neatly below the water surface. They are used for catching crabs or fish (particularly A trotline is a heavy fishing line with shorter, baited branch lines commonly referred to as snoods suspending down at intervals using clips or swivels, with a hook at the free end of each snood 7a2cd8f1d2

Driver married Shirley Martin in 1960. He had one son, Timothy, from a previous marriage. 7a2cd8f1d2 Trotlines are used in commercial angling and can be set up across a channel, river, or stream to cover an entire span of water. There are many ways to set a trotline, with most methods involving weights at the end of snoods to keep them neatly below the water surface. They are used for catching crabs or fish (particularly catfish). Trotlines should be used with caution as they are deemed illegal in many locations. 7a2cd8f1d2

Traube's space Thus, its surface markings are respectively the left sixth rib superiorly Traube's (semilunar) space is an anatomic space of some clinical importance. Thus, its surface markings are respectively the left sixth rib superiorly, the left mid axillary line laterally, and the left costal margin inferiorly. It is a crescent-shaped space, encompassed by the lower edge of the left lung, the anterior border of the spleen, the left costal margin, and the inferior margin of the left lobe of the liver. the left costal margin, and the inferior margin of the left lobe of the liver 7a2cd8f1d2

Elwood Driver was born in Trenton, New Jersey. He had three siblings. While attending Trenton State College, he earned his pilot's license. He graduated from college in 1942. Later he attended New York University and earned an MS in safety engineering. 7a2cd8f1d2 == Anatomical position == 7a2cd8f1d2 Sometimes the peritoneum completely invests it and forms a distinct but narrow mesocolon. 7a2cd8f1d2

Hypochondrium The liver is in the right In anatomy, the division of the abdomen into regions can employ a nine-region scheme. They are located on the lateral sides of the abdominal wall respectively, inferior to (below) the thoracic cage, being separated by the epigastrium. lateral sides of the abdominal wall respectively, inferior to (below) the thoracic cage, being separated by the epigastrium. The hypochondrium refers to the two hypochondriac regions in the upper third of the abdomen; the left hypochondrium and right hypochondrium 7a2cd8f1d2

It is in relation, by its upper surface, with the liver and gall-bladder, the greater curvature of the stomach, and the lower end of the spleen; by its under surface, with the small intestine; by its anterior surface, with the posterior layer of the greater omentum and the abdominal wall; its posterior surface is in relation from right to left with the descending portion of the duodenum, the head of the pancreas, and some of... 7a2cd8f1d2 == Definitions, etymology, and modern controversies == 7a2cd8f1d2 The spleen plays important roles in regard to red blood cells (erythrocytes) and the immune system. It removes old red blood cells and holds a reserve of blood, which can be valuable in case of hemorrhagic shock, and also recycles iron. As a part of the mononuclear phagocyte system, it metabolizes hemoglobin removed from senescent red blood cells. The spleen is a center of activity of the mononuclear phagocyte system and is analogous to a large lymph node, as its absence causes a predisposition to certain infections. The globin portion of hemoglobin is degraded to its constitutive amino acids, and the heme portion is metabolized to bilirubin, which is removed in the liver. 7a2cd8f1d2

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