

Diagnostic Imaging Musculoskeletal Non Traumatic Disease

Chest pain is pain or discomfort in the chest, typically the front of the chest. It may be described as sharp, dull, pressure, heaviness or squeezing. Associated symptoms may include pain in the shoulder, arm, upper abdomen, or jaw, along with nausea, sweating, or shortness of breath. It can be divided into heart-related and non-heart-related pain. Pain due to insufficient blood flow to the heart is also called angina pectoris. Those with diabetes or the elderly may have less clear symptoms. 15eabc136c Rotator cuff tendinopathy is, by far, the most common reason people seek care for shoulder pain. Pain related to rotator cuff tendinopathy is typically on the front side of the shoulder, down to the elbow, and worse reaching up or back. Diagnosis is based on symptoms and examination. Medical imaging is used mostly... 15eabc136c

Temporomandibular joint dysfunction Additional benefits of imaging the TMJ are as follows: Temporomandibular joint dysfunction (TMD, TMJD) is an umbrella term covering pain and dysfunction of the muscles of mastication (the muscles that move the jaw) and the temporomandibular joints (the joints which connect the mandible to the skull). advantages brought about by diagnostic imaging mainly lie within diagnosing TMD of articular origin. The most important feature is pain, followed by restricted mandibular movement, and noises from the temporomandibular joints (TMJ) during jaw movement. Although TMD is not life-threatening, it can be detrimental to quality of life; this is because the symptoms can become chronic and difficult to manage 15eabc136c

Shear Wave Elastography assessment of liver diseases (such as liver fibrosis), breast masses, thyroid nodules, and the musculoskeletal system to help diagnose the disease and monitor Shear Wave Elastography (SWE), as a type of Ultrasound Elastography, is a non-invasive medical imaging technique used to quantitatively assess the elasticity and stiffness of tissues. The method excites the shear wave in the tissue by ultrasonic wave and captures the propagation speed of the shear wave with ultrasonic imaging equipment. SWE is widely used in the assessment of liver diseases (such as liver fibrosis), breast masses, thyroid nodules, and the musculoskeletal system to help diagnose the disease and monitor the effect of treatment. The propagation speed of the shear wave is related to the elastic modulus of the tissue: in the harder tissue, the shear wave propagates faster, while in the softer tissue it propagates slower. SWE is becoming an important tool in the field of soft tissue 15eabc136c

Concussion Symptoms may include headache, dizziness, difficulty with thinking and concentration, sleep disturbances, a brief period of memory loss, brief loss of consciousness, problems with balance, nausea, blurred vision, and mood changes. Concussion should be suspected if a person indirectly or directly hits their head and experiences any of the symptoms of concussion. Routine imaging is not A concussion, also known as a mild traumatic brain injury (mTBI), is a head injury that temporarily affects brain functioning. It is not unusual for symptoms to last 2 weeks in adults and 4 weeks in children. severe traumatic brain injuries. Fewer than 10% of sports-related concussions among children are associated with loss of consciousness. Symptoms of a concussion may be delayed by 1–2 days after the accident. Diagnostic imaging such as a CT scan or an MRI may be required to rule out severe head injuries 15eabc136c

The cause is unknown. It is believed to be partly genetic. Behçet's is not contagious. Diagnosis is based on at least three episodes of mouth sores in a year, together with at least two of the following: genital sores, eye inflammation, skin sores, a positive skin prick test. 15eabc136c

Functional disorder blood tests, or diagnostic imaging) will be undertaken to consider the presence of underlying disease. There are however diagnostic criteria that can Functional disorders are a group of recognisable medical conditions which are due to changes to the functioning of the systems of the body rather than due to a disease affecting the structure of the body 15eabc136c

Most people who experience... 15eabc136c As part of rotator cuff tendinopathy, the tendon can thin and develop a defect. This defect is often referred to as a rotator cuff tear. Acute, traumatic rupture of the rotator cuff tendons can also occur, but is less common. Traumatic rupture of the rotator cuff usually involves the tendons of more than one muscle. 15eabc136c

Post-traumatic stress disorder Post-traumatic stress disorder (PTSD) is a mental disorder that develops from experiencing a traumatic event, such as sexual assault, domestic violence Post-traumatic stress disorder (PTSD) is a mental disorder that develops from experiencing a traumatic event, such as sexual assault, domestic violence, child abuse, warfare and its associated traumas, natural disaster, bereavement, traffic collision, or other threats on a person's life or well-being. Symptoms may include disturbing thoughts, feelings, or dreams related to the events, mental or physical distress to trauma-related cues, attempts to avoid trauma-related cues, alterations in the way a person thinks and feels, and an increase in the fight-or-flight response. Young children are less likely to show distress, but instead may express their memories through play. These symptoms last for more than a month after the event and can include triggers such as misophonia 15eabc136c

Although the precise causes of Crohn's disease (CD) are unknown, it is believed to be caused by a combination of environmental, immune, and bacterial factors in genetically susceptible individuals.... 15eabc136c

Chest pain 5%), pleuritis, traumatic and anxiety disorders. Determining For pediatric chest pain, see chest pain in children. gastroesophageal reflux disease (30%), muscle or skeletal pain (28%), pneumonia (2%), shingles (0 15eabc136c

Crohn's disease Bowel obstruction may occur as a complication of chronic inflammation, and those with the disease are at greater risk of colon cancer and small bowel cancer. imaging and high-resolution imaging are more sensitive in detecting ulceration and inflammation compared to CT. Imaging in pediatric Crohn's disease requires Crohn's disease is a type of inflammatory bowel disease (IBD) that may affect any segment of the gastrointestinal tract. Symptoms often include abdominal pain, diarrhea, fever, abdominal distension, and weight loss. The skin rashes may be due to infections, as well as pyoderma gangrenosum or erythema nodosum. Complications outside of the gastrointestinal tract may include anemia, skin rashes, arthritis, inflammation of the eye, and fatigue 15eabc136c

Most symptoms that are caused by structural disease can also be caused... 15eabc136c

Rotator cuff tear ISBN 9783319143071 Rotator cuff tendinopathy is a process of senescence. 2015: 414. Imaging in Sports-Specific Musculoskeletal Injuries. "Imaging of Water Sports Injuries". Karantanas AH (11 December 2015). Most people develop rotator cuff tendinopathy within their lifetime. The pathophysiology is mucoid degeneration 15eabc136c

Behçet's disease The most common symptoms include painful sores on the mucous membranes of the mouth and other parts of the body, inflammation of parts of the eye, and arthritis. Questions and answers about Behçet's disease - US National Institute of Arthritis and Musculoskeletal and Skin Diseases Portal: Medicine Behçet's disease (BD) is a type of inflammatory disorder which affects multiple parts of the body. Often, the symptoms come and go. Less commonly there may be inflammation of the brain or spinal cord, blood clots, aneurysms, or blindness. to Behçet's disease. The sores can last from a few days, up to a week or more 15eabc136c

There is no cure. Treatments may include immunosuppressive medication... 15eabc136c Serious and relatively common causes include acute coronary syndrome such as a heart attack (31%), pulmonary embolism (2%), pneumothorax, pericarditis (4%), aortic dissection (1%) and esophageal rupture. Other common causes include gastroesophageal reflux... 15eabc136c In this article, the term temporomandibular disorder is taken to mean any disorder that affects the temporomandibular joint, and temporomandibular joint dysfunction (here also abbreviated to TMD) is taken to mean symptomatic (e.g. pain, limitation of... 15eabc136c Functional disorders are common and complex phenomena that pose challenges to medical systems. Traditionally in medicine, the body is thought of as consisting of different organ systems, but it is less well understood how the systems interconnect or communicate. Functional disorders can affect the interplay of several organ systems (for example gastrointestinal, respiratory, musculoskeletal or neurological) leading to multiple and variable symptoms. Less commonly there is a single prominent symptom or organ system affected. 15eabc136c

Sjögren's disease Common symptoms include dry mouth, dry eyes and often seriously affect other organ systems, such as the lungs, kidneys, and nervous system. Sjögren's disease is one of the most common autoimmune diseases, it has no specific and non-invasive diagnostic tests. Diagnosing Sjögren's disease (SjD) Sjögren's disease (SjD), previously known as Sjögren syndrome or Sjögren's syndrome (SjS, SS), is a long-term autoimmune disease that primarily affects the body's exocrine glands, particularly the lacrimal and salivary glands 15eabc136c

Common causes include motor vehicle collisions, falls... 15eabc136c

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