

Challenging Cases In Musculoskeletal Imaging

Both the names for the disorder and its possible causes have been evolving since first reported in 1959. It is most commonly believed the condition occurs by asymmetrical compression of... 58dc4a111a

Cervical rib), "Case 67 Cervical ribs", 100 Challenging Spinal Pain Syndrome Cases (Second Edition), Edinburgh: Churchill Livingstone, pp. (ed. In humans, pathological cervical ribs are usually not of clinical concern, although they can cause a form of thoracic outlet syndrome. 311-314 - Cervical ribs are the ribs of the neck in many tetrapods. Giles, Lynton G. In most mammals, including humans, cervical ribs are not normally present as separate structures. F. They can, however, occur as a pathology 58dc4a111a

Adrenocortical adenoma Computed Tomography (CT scan) Magnetic Resonance Imaging (MRI) Adrenal-dedicated CT and MRI imaging can be performed to distinguish benign adenomas from An adrenocortical adenoma or adrenal adenoma is commonly described as a benign neoplasm emerging from the cells that comprise the adrenal cortex. Like most adenomas, the adrenocortical adenoma is considered a benign tumor since the majority of them are non-functioning and asymptomatic. In addition, recent case reports further support the affiliation of adrenocortical adenomas with hyperandrogenism or florid hyperandrogenism which can cause hyperandrogenic hirsutism in females. "Cushing's syndrome" differs from the "Cushing. Adrenocortical adenomas are classified as ACTH-independent disorders, and are commonly associated with conditions linked to hyperadrenalism such as Cushing's syndrome (hypercortisolism) or Conn's syndrome (hyperaldosteronism), which is also known as primary aldosteronism 58dc4a111a

Occult fracture Radiographically, occult and subtle fractures are a diagnostic challenge. Independently of the cause, the initial radiographic examination can be negative either because the findings seem normal or are too subtle. , in osteoporosis and postradiotherapy). Advanced imaging tools such as computed tomography, magnetic resonance imaging (MRI), and scintigraphy are highly valuable in the early detection An occult fracture is a fracture that is not readily visible, generally in regard to projectional radiography ("X-ray"). subtle. g. Advanced imaging tools such as computed tomography, magnetic resonance imaging (MRI), and scintigraphy are highly valuable in the early detection of these fractures. They may be divided into 1) high energy trauma fracture, 2) fatigue fracture from cyclical and sustained mechanical stress, and 3) insufficiency fracture occurring in weakened bone (e 58dc4a111a

Hirayama disease Its symptoms usually appear about two years after adolescent growth spurt and is significantly more common in males, with an average age of onset between 15 and 25 years. There is no pain or sensory loss. It is not believed to be hereditary. To date the largest studies recorded are Japan (333 cases), India (279 cases), and China (179 cases). Hirayama disease is reported most frequently in Asia but has a global distribution. Both the names for the disorder and its possible Hirayama disease, also known as monomelic amyotrophy (MMA), is a rare motor neuron disease first described in 1959 in Japan. It is typically marked by insidious onset of muscle atrophy of an upper limb, which plateaus after two to five years from which it neither improves nor worsens 58dc4a111a

Diagnosis of juvenile idiopathic arthritis is typically considered for children that are below the age of 16 years old and currently experiencing arthritis for at least six weeks with no other evident alternative causes for the symptoms. In 1997 the International League of Associations for Rheumatology (ILAR) presented a classification of juvenile idiopathic arthritis... 58dc4a111a Initial treatment is most commonly either partial or complete removal of the affected kidney(s). Where the cancer has not metastasised (spread to other organs) or

burrowed deeper into the tissues of the kidney, the five-year survival rate is 65–90%, but this is lowered considerably when the cancer has spread. 58dc4a111a

Childhood arthritis "Non-pharmacological options for managing chronic musculoskeletal pain in children with pediatric rheumatic disease: a systematic review"
Childhood arthritis (juvenile arthritis or pediatric rheumatic disease) is an umbrella term used to describe any rheumatic disease or chronic arthritis-related condition which affects individuals under the age of 16. Most types are autoimmune disorders, where an individual's immune system may attack its own healthy tissues and cells. (November 2018). There are several subtypes that differentiate themselves via prognosis, complications, and treatments 58dc4a111a

Achilles tendon rupture A snapping sound may be heard as the tendon breaks and walking becomes difficult. analyzed by a computer in 3D to create a sharp cross sectional image of the area. MRI provides excellent soft tissue imaging making it easier for technicians Achilles tendon rupture is the breakage of the Achilles tendon at the back of the ankle. Symptoms include the sudden onset of sharp pain in the heel 58dc4a111a

The term neurogenic claudication is sometimes used interchangeably with spinal stenosis. However, the former is a clinical term, while the latter more specifically describes the condition of spinal narrowing. NC is a medical condition most commonly caused by damage and compression... 58dc4a111a
Spinal adjustments were among many chiropractic techniques invented in the 19th century by Daniel David Palmer, the founder of chiropractic. Claims made for the benefits of spinal adjustments range from temporary, palliative (pain relieving) effects to long term wellness and preventive care. 58dc4a111a
The body is remarkably good at hiding the... 58dc4a111a
Fractures represent up to 80% of the missed diagnoses in the emergency department... 58dc4a111a

Spinal adjustment Research has shown that chiropractic care is effective for musculoskeletal conditions. chiropractic care is effective for musculoskeletal conditions. However, claims about treating non-musculoskeletal conditions are not

supported by evidence. However, claims about treating non-musculoskeletal conditions are not supported by evidence. Spinal adjustment and chiropractic adjustment are terms used by chiropractors to describe their approaches to spinal manipulation, as well as some osteopaths, who use the term adjustment 58dc4a111a

Medical ultrasound techniques (mainly imaging) using ultrasound, as well as therapeutic applications of ultrasound. In diagnosis, it is used to create an image of internal body Medical ultrasound includes diagnostic techniques (mainly imaging) using ultrasound, as well as therapeutic applications of ultrasound. The visual image formed using this technique is. , distances and velocities) or to generate an informative audible sound. The usage of ultrasound to produce visual images for medicine is called medical ultrasonography or simply sonography, or echography. In diagnosis, it is used to create an image of internal body structures such as tendons, muscles, joints, blood vessels, and internal organs, to measure some characteristics (e. The practice of examining pregnant women using ultrasound is called obstetric ultrasonography, and was an early development of clinical ultrasonography. g. The machine used is called an ultrasound machine, a sonograph or an echograph 58dc4a111a

Rupture of the Achilles tendon usually occurs due to a sudden, forceful push-off movement, an abrupt dorsiflexion of the foot while the calf muscle is engaged, or direct trauma. Chronic degeneration of the tendon, often from tendinosis, also increases the likelihood of rupture. Common risk factors include fluoroquinolone or corticosteroid use, sudden increases in physical activity, inflammatory conditions such as rheumatoid arthritis, gout, and chronic overuse or improper training. Diagnosis is primarily based on clinical symptoms and physical examination, with imaging... 58dc4a111a

Renal cell carcinoma that need surgical resection, based on specific imaging features. It is more common in men (with a male-to-female ratio of up to 2:1). The main imaging tests performed in order to identify renal cell carcinoma are pelvic Renal cell carcinoma (RCC) is a kidney cancer that originates in

the lining of the proximal convoluted tubule, a part of the very small tubes in the kidney that transport primary urine. RCC is the most common type of kidney cancer in adults, responsible for approximately 90-95% of cases. It is most commonly diagnosed in the elderly (especially in people over 75 years of age) 58dc4a111a

Neurogenic claudication (CT) or X-ray imaging. In addition to vascular claudication, diseases affecting the spine and musculoskeletal system should be considered in the differential Neurogenic claudication (NC), also known as pseudoclaudication, is the most common symptom of lumbar spinal stenosis (LSS) and describes intermittent leg pain from impingement of the nerves emanating from the spinal cord. NC should therefore be distinguished from vascular claudication, which stems from a circulatory problem rather than a neural one. Neurogenic means that the problem originates within the nervous system. Claudication, from Latin claudicare 'to limp', refers to painful cramping or weakness in the legs 58dc4a111a

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