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Spiral fracture short definition

An X-ray image of a spiral fracture left humerus of a 27-year-old man. The damage was caused during the fall. A spiral fracture (or spinning fracture) is a fracture of the bone that occurs when torque (rotating force) is applied along the bone axis. [1] Spiral fractures often occur when the body is in motion while one in the limb is planted. For example, a spiral fracture of the tibia (lower leg) can occur in young children when they fall behind on an extended leg while jumping. This event is known as the toddler's fracture. Spiral fractures are also found to be suspicious in very young children, because to get a fracture of this type requires a strong twisting or jerking limbs. Child abuse (physical violence) and certain conditions, such as osteogenesis imperfecta (OI), are considered differential in determining spiral or moderate lens fractures. [2] Reference ^ Spiral fracture. Harvard University. Archived from the original on 8 August 2010. Retrieved 25 November 2010. ^ Lukefahr M.D., James. Child abuse and neglect fractures. www.utmb.edu University of Texas Health Science Center. Archived from the original on 26 August 2016. Retrieved 15 December 2014. External this article about orthopaedic operations is incomplete. You can help Wikipedia by expanding it. Retrieved from What is a spiral fracture? A spiral fracture, also known as a margate fracture, is a type of complete fracture. This occurs due to rotation, or twisting, force. Complete fractures are categorized based on how the bone breaks. Categories include: transverso/oblique/longitudinal/communited/spiral/thus it always causes the bone to be divided into two unraveled pieces. In a spiral fracture, the broken bone resembles a corkscrew up or winding ladder, because the break occurs diagonally across the bone, which is longer than it is wide. For the bone to break in this way, the force that causes the break is usually considered to be high in energy, which means that it causes great force. A spiral fracture may be moved or stable. The fracture of the displaced fracture of the bone is no longer applied correctly. In a stable fracture, parts of the bones are arranged and are almost out of place. Part of The Pinteresstartrast and obvious symptom of a spiral fracture is the pain in the injured area. The type of pain depends on the severity of the injury. People are characterized by pain as dull, severe, and agonizing. There may also be: bone stiffness defended range of motion and redness/moon in the case of an open fracture - a fracture where there is a break in the skin - you can see jagged bones and bone fragments, in addition to bleeding. Spiral fractures can occur when one limb, such as your feet, is planted while your body remains in motion. They are usually the result of sports injuries or falls from distance. Although spiral fractures can occur in any long bone, they are most commonly found in the tibia. When these fractures occur in preschoolers, they are called toddler fractures. Toddler's fractures are a common sign of physical abuse because they are the result of jerky or force-twisting limbs. Greenstick fractures are another common fracture that occurs in children because of how soft their bones are. Spiral fractures, most likely to emerge in these bones: the tibia, or lower leg bone, or short bone calf, which is a parallel tibia that is located in your ankle between the tibia and fibula/filmur, or the bone in the upper armbones of your fingers/facial fracture spiral, it is important that you tell the doctor exactly how the damage occurred, because it can help them pinpoint the type of fracture that you have. Your doctor will perform a full physical exam, focusing on the affected area. They will examine obvious violations of both looking at and feeling limbs, such as: breaks your skin/bruise/tenderness instability. If your doctor thinks it is necessary you will undergo X-rays and a CT scan. X-rays can confirm that the bone is damaged and show whether the break has been moved or stable. CT scans can show your doctor if there is a lesion in nearby joints and provide additional information about the fracture. Due to how a spiral fracture occurs, the resulting broken bone usually has jagged edges. This can complicate the healing process. It is also possible that injuries result in severed bone fragments, which can make treatment even more difficult. For these reasons, treatment will depend on the severity of the break and whether the bone is moved or stable. Treatment of a stable spiral fracture: a spiral fracture is stable, treatment usually involves keeping the bone immobilized by the cast for a period of four to six weeks. A stable fracture is usually more common in children. Treatment shifted into a spiral fracture when of jagged bones, which is characterized by a displaced spiral fracture, more often than not surgery is required for treatment. Your doctor will perform so-called reduction surgery. In this procedure, you are put under general anesthesia. Next, your doctor opens up the affected area to determine the bone parts in place. During surgery, the doctor continues to assess the severity of the injury. For example, if there is damage to the surrounding muscles or blood vessels, your doctor will also evaluate and treat these injuries. Your doctor then realigns the broken bone and sets it in place for either rods, pins, or screws, all of which can be permanent or temporary. Recovery from surgery/After open reduction surgery, the cast usually applied limb. It will be removed in a few weeks. Especially in the case of surgery, recovery can be quite painful. Ibuprofen (Advil) and other non-steroidal drug slows down the healing process. As a result, acetaminophen with codeine is more commonly prescribed. Physical therapy can be another important part of healing your fracture. Due to wearing the cast, you will probably lose strength and movement range. You can get them back into the affected limb through exercise and various other treatments. Bones grow very slowly, so many spiral fractures take about four to six months to heal. Immediate treatment is important for proper healing. If you suspect that you have a helical fracture, contact your doctor immediately for information. Also found: Dictionary, Thesaurus, Encyclopedia, Wikipedia. [frak'chur] [frak'chur] Breaking of Part 1, in particular bone. 2. interruption of bone continuity; it can be caused by trauma, twisting muscle spasms or indirect loss of leverage, or a disease that causes osteopenia. See the picture. Treatment: Immediate first aid consists of splinting the bone without attempting to reduce fractures; it should be splinted as it is, which means supporting it in such a way that the injured part will remain stable and will resist jarring if the victim is moved. Later it will be treated with a reduction, which means that broken hues are drawn into alignment and bone continuity is determined so that healing can take place. Fracture healing is truly a recovery process. Fractures heal with normal bone, not with scar tissue. Closed cut is made by manual manipulation of the fractured bone so that the fragments are aligned; surgical incision is not performed. Open fractures are highly contaminated and they are yes débrided and abundantly irrigated in the operating room. A fracture may also require internal fixation with pins, nails, metal plates or screws to stabilize alignment. When the closed cut is completed, the bone is immobilized using a cast or the apparatus acts thrust into the distal end of the bone. avulsion fracture separation of small fragments of bone in the cortex instead of attachment of ligaments or tendons. Barton's fracture fracture distal end radius to wrist. Bennett fracture fracture of the base of the first metacarpal bone, flowing into the carpometacarpal joint, complicates the subluxation/blow-out fracture of the orbital floor, caused by a sudden increase in intraorbital pressure due to traumatic force; the orbital content of the herniate into the maxillary sinus, so that the inferior rectus or the inferior oblique muscle can become trapped in the fracture site that produces the diplopia look up. Colles fracture fracture at the lower end of the radius, the distal fragment is moved back/communited fracture one in which the bone splintered or crushed, with three or more fragments. See the example/complete the fracture one, which includes the entire cross-section of the bone. connection fracture detected fracture/compression fracture one, produced fracture (depressed skull fracture) skull fracture, in which the fragment is depressed/direct fracture at the site of the injury/bone dislocation fracture at articulation with concurrent bone joint dislocation. Dupuytren fracture/Potta fracture. Duverney's fracture fracture ilium just below the auricular in the lower spine/fissure fracture gap extends from the surface to, but not through, a long bone/greenstick fracture one in which one half of the bone is damaged and the other is bent, most commonly seen in children. See the example/affected fracture, in which one fragment is firmly driven into the other/incomplete fracture, not associated with the full part of the cross bone/indirect fracture one far from the site of the injury/interoisteo fracture greenstick fracture/intrauterine fracture of fetal bone occurred in the uterus. Jefferson's fracture fracture atlas (first cervical vertebra)/lead tube fracture one in which the bone cortex is slightly compressed and curved on one side with a small crack on the other side of the bone. Le Fort fracture/bilateral horizontal fracture of the maxilla. Le Fort fractures are classified as follows: Le Fort I fracture, horizontally segmented maxillary alveolar process fracture, in which the teeth are usually located in the separated part of the bone. Le Fort II fracture, one-sided or two-sided maxillary fracture in which the upper jaw bone is separated from the skeleton of the face and the detached part is pyramidal; the fracture can spread through the body of the maxilla down the midline of the soft palate, through the floor in orbit, and into the nasal cavity. Le Fort III fracture, fracture in which the entire maxillary and one or more facial bones are completely separated from the cranial skeleton; such fractures are almost always accompanied by several fractures of the facial bones/longitudinal fracture one stretches long patu long-haired long-haired bone. See the picture. Monteggia fracture one proximal side of the shaft ulna, with the dislocation of the head radius/oblique fracture one, in which the break stretches in an oblique direction. See illustration/open the fracture one in which the wound through the adjacent or superficial soft tissue communicates with the outside of the body; it should be considered as a surgical emergency. The mixture can come from within (with a bone raised through the skin) or from without (for example, a bullet wound that communicates with the bone). See the picture. Also called the compound fracture/pathologic fracture one due to the weakening of bone structure with pathological processes, such as neoplasms or osteomalacia; see the picture. Also called spontaneous fracture/pertrochanteric fracture fracture of the femur passes through a larger trochanter/ping-pong fracture indented fracture of the skull, recalls deviations that can be produced by finger in a ping-pong ball; when it is raised and remains in its normal position. Pott fracture fracture in the lower part of the fibula with serious damage to the lower

tibia articulation.simple fracture closed fracture. Smith's fracture inverted Colles fracture.spiral fracture one in which the bone is twisted and the fracture line resembles a spiral. See illustration.spontaneous fracture pathologic fracture.sprain fracture separation of tendons from its insertion, taking with it a piece of bone.stellate fracture one with the central point of the injury from which to radiate many fissures. The fracture of the inner condyle of the femur.transcervical fracture one through the neck of the femur.transverse fracture one at right angles to the axis of the bone. See illustration.trophic fracture one due to nutritional (trophic) disorders.Miller-Keane Encyclopedia and Dictionary of Medicine, Nursing, and Allied Health, Seventh Edition. © 2003 Saunders, imprint of Elsevier, Inc. All rights reserved.a fracture, the line of which is spiralling in the bone; usually result from a twisting injury. Farlex Partner Medical Dictionary © Farlex 2012 Fracture of a long bone characterized by a spiral fracture line resulting from torsional traumatic force. Segen's medical dictionary. © 2012 Farlex, Inc. 2012 Farlex, Inc. All Rights Reserved. (spie'räl frak'shür) (spie'räl frak'shür) A break that creates a spiral line in the end. Medical Dictionary for Health Professions and Nursing © Farlex 2012 Want to thank TFD for its existence? Tell a friend about us, add a link to this page, or visit the webmaster page to get free fun content. Link to this page: spiral fracture Signatures: (a) Right upper limbs with obliquely oriented lucency with distal humeral metadiaphysis was a spiral fracture, and I didn't need plates or screws, so they just slapped the cast on my leg, gave me a motrin, and I was on my way. I was introduced to Joshua late one weekend at night by an emergency room doctor who called to let me know that this young boy had a spiral fracture of his femur (large bone leg) and that child abuse was highly suspected. Suspected.

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