

REFERENCES

- Orlinsky M, Bright AA: The utility of routine x-rays in all glass-caused wounds. *Am J Emerg Med* 24: 233, 2006. [PMID: 16490657]
- Weinberger LN, Chen EH, Mills AM: Is screening radiography necessary to detect retained foreign bodies in adequately explored superficial glass-caused wounds? *Ann Emerg Med* 51: 666, 2008. [PMID: 17588705]
- Blankenship RB, Baker T: Imaging modalities in wounds and superficial skin infections. *Emerg Med Clin North Am* 25: 223, 2007. [PMID: 17400083]
- Farrell SE, Vandevander P, Schoffstall JM, Lee DC: Blood lead levels in emergency department patients with retained lead bullets and shrapnel. *Acad Emerg Med* 6: 208, 1999. [PMID: 10192672]
- McQuirter JL, Rothenberg SJ, Dinkins GA, et al: Change in blood lead concentration up to 1 year after a gunshot wound with a retained bullet. *Am J Epidemiol* 159: 683, 2004. [PMID: 15033646]
- Weiss D, Lee D, Feldman R, Smith KE: Severe lead toxicity attributed to bullet fragments retained in soft tissue. *BMJ Case Rep* pii: bcr201621735, 2017. [PMID: 28275014]
- Miller EB, Gilad A, Schattner A: Cactus thorn arthritis: case report and review of the literature. *Clin Rheumatol* 19: 490, 2000. [PMID: 11147764]
- Baskar S, Mann JS, Thomas AP, Newton P: Plant thorn tenosynovitis. *J Clin Rheumatol* 12: 137, 2006. [PMID: 16755243]
- Cengiz AB, Kanra G, Celik T, et al: Prolonged cellulitis due to plant thorn. *Turk J Pediatr* 47: 393, 2005. [PMID: 16363355]
- Kratz A, Greenberg D, Barki Y, et al: Pantoaea agglomerans as a cause of septic arthritis after palm tree thorn injury; case report and literature review. *Arch Dis Child* 88: 542, 2003. [PMID: 12765929]
- Duerinckx JF: Case report: subacute synovitis of the knee after a rose thorn injury: unusual clinical picture. *Clin Orthop Relat Res* 466: 3138, 2008. [PMID: 18773251]
- Steele MT, Tran LV, Watson WA, Muelleman RL: Retained glass foreign bodies in wounds: predictive value of wound characteristics, patient perception, and wound exploration. *Am J Emerg Med* 16: 627, 1998. [PMID: 9827733]
- Antunes AA, Santos TS, Carvalho de Melo AU, Ribiero CF, Goncalves SR, de Mello Rode S: Tooth embedded in lower lip following dentoalveolar trauma: case report and literature review. *Gen Dent* 60: 544, 2012. [PMID: 23220311]
- Lauritano D, Petrucci M, Sacco G, Campus G, Carinci F, Milillo L: Dental fragment embedded in the lower lip after facial trauma: brief review literature and report of a case. *Dent Res J (Isfahan)* 9 (Suppl 2): S237, 2012. [PMID: 23814592]
- Marão HF, Panzarini SR, Manrique GR, Luvizoto ER, Evangelista Melo M: Importance of clinical examination in dentoalveolar trauma. *J Craniofac Surg* 23: e404, 2012. [PMID: 22976685]
- Friedman DI, Forti RJ, Wall SP, Crain EF: The utility of bedside ultrasound and patient perception in detecting soft tissue foreign bodies in children. *Pediatr Emerg Care* 21: 487, 2005. [PMID: 16096591]
- Soudack M, Nachtigal A, Gaitini D: Clinically unsuspected foreign bodies: the importance of sonography. *J Ultrasound Med* 22: 1381, 2003. [PMID: 14682428]
- Tuncer S, Ozelik IB, Mersa B, Kabakas F, Ozkan T: Evaluation of patients undergoing removal of glass fragments from injured hands: a retrospective study. *Ann Plast Surg* 67: 114, 2011. [PMID: 21372675]
- Jarraya M, Hayashi D, de Villiers RV, et al: Multimodality imaging of foreign bodies of the musculoskeletal system. *AJR Am J Roentgenol* 203: W92, 2014. [PMID: 249512343]
- Lammers RL: Soft tissue foreign bodies. *Ann Emerg Med* 17: 1336, 1988. [PMID: 3057951]
- Lammers RL, Magill T: Detection and management of foreign bodies in soft tissue. *Emerg Med Clin North Am* 10: 767, 1992. [PMID: 1425403]
- Charney DB, Manzi JA, Turlik M, Young M: Nonmetallic foreign bodies in the foot: radiography versus xeroradiography. *J Foot Surg* 25: 44, 1986. [PMID: 3950332]
- Bonatz E, Robbin ML, Weingold MA: Ultrasound for the diagnosis of retained splinters in the soft tissue of the hand. *Am J Orthop* 27: 455, 1998. [PMID: 9652891]
- Agarwal AK, De U, Ray U, Agarwal A, Singodia P: Radiographic grading of subcutaneous soft tissue metallic foreign bodies in emergency department. *Indian J Surg* 72: 130, 2010. [PMID: 23133223]
- Courter BJ: Radiographic screening for glass foreign bodies: what does a "negative" foreign body series really mean? *Ann Emerg Med* 19: 997, 1990. [PMID: 2393187]
- Turkcuer I, Atilla R, Topacoglu H, et al: Do we really need plain and soft-tissue radiographies to detect radiolucent foreign bodies in the ED? *Am J Emerg Med* 24: 763, 2006. [PMID: 17098094]
- Sheridan N, McNulty JP: Computed radiography versus indirect digital radiography for the detection of glass soft-tissue foreign bodies. *Radiography* 22: 223, 2016. [PMID: 28290350]
- Pattamapaspong N, Srisuwan T, Sivasomboon C, et al: Accuracy of radiography, computed tomography and magnetic resonance imaging in diagnosing foreign bodies in the foot. *Radiol Med* 118: 303, 2013. [PMID: 22744349]
- Krimmel M, Cornelius CP, Stojadinovic S, et al: Wooden foreign bodies in facial injury: a radiological pitfall. *Int J Oral Maxillofac Surg* 30: 445, 2001. [PMID: 11720049]
- McArthur T, Abell BA, Levisky ME: A procedure for soft tissue foreign body removal under real-time ultrasound guidance. *Mil Med* 172: 858, 2007. [PMID: 17803078]
- Bradley M: Image-guided soft-tissue foreign body extraction: success and pitfalls. *Clin Radiol* 67: 531, 2012. [PMID: 22208762]
- Budhram GR, Schmunk JC: Bedside ultrasound AIDS identification and removal of cutaneous foreign bodies: a case series. *J Emerg Med* 47: e43, 2014. [PMID: 24685452]
- Lewis D, Jivraj A, Atkinson P, Jarman R: My patient is injured: identifying foreign bodies with ultrasound. *Ultrasound* 23: 174, 2015. [PMID: 27433254]
- Tantray MD, Rather A, Manaana Q, Andleeb I, Mohammad M, Gull Y: Role of ultrasound in detection of radiolucent foreign bodies in extremities. *Strategies Trauma Limb Reconstr* 13: 81, 2018. [PMID: 29426979]
- Hiremath R, Reddy H, Ibrahim J, Haritha CH, Shah RS: Soft tissue foreign body: utility of high-resolution ultrasonography. *J Clin Diagn Res* 11: TC14, 2017. [PMID: 28892999]
- Boyse TD, Fessell DP, Jacobson JA, et al: US of soft-tissue foreign bodies and associated complications with surgical correlation. *Radiographics* 21: 1251, 2001. [PMID: 11553831]
- Graham DD: Ultrasound in the emergency department: detection of wooden foreign bodies in the soft tissues. *J Emerg Med* 22: 75, 2002. [PMID: 11809560]
- Harcke HT, Levy AD, Lonergan GJ: The sonographic appearance and detectability of nonopaque and semiopaque materials of military origin. *Mil Med* 167: 459, 2002. [PMID: 12099079]
- Saboo SS, Saboo SH, Soni SS, Adhane V: High-resolution sonography is effective in detection of soft tissue foreign bodies: experience from a rural Indian center. *J Ultrasound Med* 28: 1245, 2009. [PMID: 19710224]
- Nienaber A, Harvey M, Cave G: Accuracy of bedside ultrasound for the detection of soft tissue foreign bodies by emergency doctors. *Emerg Med Australas* 22: 30, 2010. [PMID: 20136640]
- Tahmasebi M, Zareizadeh H, Motamedfar A: Accuracy of ultrasonography in detecting radiolucent soft-tissue foreign bodies. *Indian J Radiol Imaging* 24: 196, 2014. [PMID: 25024533]
- Davis J, Czerniski B, Au A, Adhikari S, Farrell I, Fields JM: Diagnostic accuracy of ultrasonography in retained soft tissue foreign bodies: a systematic review and meta-analysis. *Acad Emerg Med* 22: 777, 2015. [PMID: 26111545]
- Saul T, Siadecki SD, Rose G, et al: Ultrasound accurately identifies soft tissue foreign bodies in a live anesthetized porcine model. *Acad Emerg Med* 22: 950, 2015. [PMID: 26205046]
- Mohammadi A, Ghasemi-Rad M, Khodabakhsh M: Non-opaque soft tissue foreign body: sonographic findings. *BMC Med Imaging* 11: 9, 2011. [PMID: 21477360]
- Blankstein A, Cohen I, Heiman Z, et al: Localization, detection, and guided removal of soft tissue in the hand using sonography. *Arch Orthop Trauma Surg* 120: 514, 2000. [PMID: 11011671]
- Blankstein A, Cohen I, Heiman Z, et al: Ultrasonography as a diagnostic modality and therapeutic adjuvant in the management of soft tissue foreign bodies in the lower extremities. *Isr Med Assoc J* 3: 411, 2001. [PMID: 11433632]
- Soubeyrand M, Biau D, Jomaah N, et al: Penetrating volar injuries of the hand: diagnostic accuracy of US in depicting soft-tissue lesions. *Radiology* 249: 228, 2008. [PMID: 18796679]
- Levy AD, Harcke HT: Handheld ultrasound device for detection of non-opaque and semiopaque foreign bodies in soft tissues. *J Clin Ultrasound* 31: 183, 2003. [PMID: 12692825]
- Lyon M, Brannan L, Johnson D, et al: Detection of soft tissue foreign bodies in the presence of soft tissue gas. *J Ultrasound Med* 23: 677, 2004. [PMID: 15154535]
- Barr L, Hatch N, Roque PJ, Wu TS: Basic ultrasound-guided procedures. *Crit Care Clin* 30: 275, 2014. [PMID: 24606777]
- Krishnamurthy R, Yoo JH, Thapa M, Callahan MJ: Water-bath method for sonographic evaluation of superficial structures of the extremities in children. *Pediatr Radiol* 43 (Suppl 1): S41, 2013. [PMID: 23478918]
- Hill R, Conron R, Greissinger P, et al: Ultrasound for the detection of foreign bodies in human tissue. *Ann Emerg Med* 29: 353, 1997. [PMID: 9055774]
- Jacobson JA, Powell A, Craig JG, et al: Wooden foreign bodies in soft tissue: detection at US. *Radiology* 206: 45, 1998. [PMID: 9423650]
- Peterson JJ, Bancroft LW, Kransdorf MJ: Wooden foreign bodies: imaging appearance. *AJR Am J Roentgenol* 178: 557, 2002. [PMID: 11856673]
- Wyn T, Jones J, McNinch D, Neacox R: Bedside fluoroscopy for the detection of foreign bodies. *Acad Emerg Med* 2: 979, 1995. [PMID: 8536124]
- Cohen DM, Garcia CT, Dietrich AM, Hickey RW: Miniature C-arm imaging: an in vitro study of detecting foreign bodies in the emergency department. *Pediatr Emerg Care* 13: 247, 1997. [PMID: 9291509]
- Levine MR, Yarnold PR, Michelson EA: A training program in portable fluoroscopy for the detection of glass in soft tissues. *Acad Emerg Med* 9: 858, 2002. [PMID: 12153897]
- Levine MR, Gorman SM, Yarnold PR: A model for teaching bedside detection of glass in wounds. *Emerg Med J* 24: 413, 2007. [PMID: 17513538]
- Yang X-J, Xing G-F: Percutaneous retrieval of foreign bodies around vital vessels aided with vascular intervention: a technical note. *Cardiovasc Intervent Radiol* 38: 1271, 2015. [PMID: 25366089]
- Ebrahimi A, Radmanesh M, Rabiei S, Kavoussi H: Surgical removal of neglected soft tissue foreign bodies by needle-guided technique. *Iran J Otorhinolaryngol* 25: 29, 2013. [PMID: 24303416]
- Halaas GW: Management of foreign bodies in the skin. *Am Fam Physician* 76: 683, 2007. [PMID: 17894138]
- Winland-Brown JE, Allen S: Diagnosis and management of foreign bodies in the skin. *Adv Skin Wound Care* 23: 471, 2010. [PMID: 20844425]

2 SECTION 6: Wound Management

63. Moran GJ, Talan DA, Abrahamian FM: Antimicrobial prophylaxis for wounds and procedures in the emergency department. *Infect Dis Clin North Am* 22: 117, 2008. [PMID: 18295686]
64. Tao K, Xu S, Liu XY, et al: Small metal soft tissue foreign body extraction by using 3D CT guidance: a reliable method. *Eur J Radiol* 81: 3339, 2012. [PMID: 22321905]
65. Zhu Q, Chen Y, Zeng Q, et al: Percutaneous extraction of deeply-embedded radiopaque foreign bodies using a less-invasive technique under image guidance. *J Trauma Acute Care Surg* 72: 302, 2012. [PMID: 22310140]
66. Xing GF, Shi CW, Qian HX, Qin XJ: Novel methods of removing metallic foreign body from human soft tissue: a report of 7390 cases. *J Surg Res* 183: 337, 2013. [PMID: 23312815]
67. Fu Y, Cui LG, Romagnoli C, Li ZQ, Lei YT: Ultrasound-guided removal of retained soft tissue foreign body with late presentation. *Chin Med J* 130: 1753, 2017. [PMID: 28685734]
68. Lulla A, Whitman T, Amii R, Chiem AT: Role of ultrasound in the identification of longitudinal axis in soft-tissue foreign body extraction. *West J Emerg Med* 17: 819, 2016. [PMID: 27833698]
69. Sarihan A, Can C: Soft tissue foreign body removal with magnet in ED settings. *Am J Emerg Med* 32: 952.e3, 2014. [PMID: 24657226]
70. Lulla, A, Whitman T, Amii R, Chiem AT: Role of ultrasound in the identification of longitudinal axis in soft-tissue foreign body extraction. *West J Emerg Med* 17: 819, 2016. [PMID: 27833698]
71. Watari T, Sekine I, Tokuda Y: Fish hook injury: an easy removal using the string yank technique. *BMJ Case Rep pii: bcr-2017-222987*, 2017. [PMID: 29183899]
72. Seol, SH, Cho J, Lee WJ, Choi SC: Use of a slit-lamp microscope for treating impacted facial foreign bodies in the emergency department. *Clin Exp Emerg Med* 2: 188, 2015. [PMID: 27752596]