

Neck Masses in Infants and Children

Charles E.A. Stringer
Vikram Sabhaney

REFERENCES

- Torsiglieri AJ Jr, Tom LW, Ross AJ III, et al: Pediatric neck masses: guidelines for evaluation. *Int J Pediatr Otorhinolaryngol* 16: 199, 1988. [PMID: 3235286]
- Connolly AA, MacKenzie K: Paediatric neck masses: a diagnostic dilemma. *J Laryngol Otol* 111: 541, 1997. [PMID: 9231088]
- Herzog LW: Prevalence of lymphadenopathy of the head and neck in infants and children. *Clin Pediatr (Phila)* 22: 485, 1983. [PMID: 6851374]
- Friedmann AM: Evaluation and management of lymphadenopathy in children. *Pediatr Rev* 29: 53, 2008. [PMID: 18245301]
- Bamji M, Stone R, Kaul L, et al: Palpable lymph nodes in healthy newborns and infants. *Pediatrics* 78: 573, 1986. [PMID: 3763263]
- Larsson LO, Bentzon MW, Berg Kelly K, et al: Palpable lymph nodes of the neck in Swedish schoolchildren. *Acta Paediatr* 83: 1091, 1994. [PMID: 7841711]
- Kliegman RM, Stanton BMD, St. Geme J, Schor NF, Behrman RE (eds): *Nelson's Textbook of Pediatrics*, 19th ed. New York: Saunders; 2011.
- Barness LA: *Manual of Pediatric Physical Diagnosis*, 6th ed. Chicago: Mosby-Yearbook Medical; 1991:37–39.
- Knight PJ, Mulne AF, Vassy LE: When is lymph node biopsy indicated in children with enlarged peripheral nodes? *Pediatrics* 69: 391, 1982. [PMID: 7070884]
- Leung AK, Robson WL: Childhood cervical lymphadenopathy. *J Pediatr Health Care* 18: 3, 2004. [PMID: 14722499]
- Shaikh N, Swaminathan N, Hooper EG: Accuracy and precision of the signs and symptoms of streptococcal pharyngitis in children: a systematic review. *J Pediatr* 160: 487, 2012. [PMID: 22048053]
- Chesney PJ: Cervical adenopathy. *Pediatr Rev* 15: 276, 1994. [PMID: 8084848]
- Blondel-Hill E, Fryters S: *Bugs and Drugs: An Antimicrobial/Infectious Disease Reference*. Edmonton: Alberta Health Services; 2012.
- Peters TR, Edwards KM: Cervical lymphadenopathy and adenitis. *Pediatr Rev* 21: 399, 2000. [PMID: 11121496]
- Gosche JR, Vick L: Acute, subacute, and chronic cervical lymphadenitis in children. *Semin Pediatr Surg* 15: 99, 2006. [PMID: 16616313]
- Neff L, Newland JG, Sykes KJ, et al: Microbiology and antimicrobial treatment of pediatric cervical lymphadenitis requiring surgical intervention. *Int J Pediatr Otorhinolaryngol* 77: 817, 2013. [PMID: 23531371]
- Badawy MK: Pediatric neck masses. *Clin Pediatr Emerg Med* 11: 73, 2006.
- Rajasekaran K, Krakovitz P: Enlarged neck lymph nodes in children. *Pediatr Clin North Am* 60: 923, 2013. [PMID: 23905828]
- Kwon M, Seo JH, Cho KJ, et al: Suggested protocol for managing acute suppurative cervical lymphadenitis in children to reduce unnecessary surgical interventions. *Ann Otol Rhinol Laryngol* 125: 953, 2016. [PMID: 27553593]
- Sauer MW, Sharma S, Hirsh DA, et al: Acute neck infections in children: who is likely to undergo surgical drainage? *Am J Emerg Med* 31: 906, 2013. [PMID: 23680319]
- Carbone PN, Capra GG, Brigger MT: Antibiotic therapy for pediatric deep neck abscesses: a systematic review. *Int J Pediatr Otorhinolaryngol* 76: 1647, 2012. [PMID: 22921604]
- Umapathy N, De R, Donaldson I: Cervical lymphadenopathy in children. *Hosp Med* 64: 104, 2003. [PMID: 12619339]
- Golriz F, Bisset GS 3rd, D'Amico B, et al: A clinical decision rule for the use of ultrasound in children presenting with acute inflammatory neck masses. *Pediatr Radiol* 47: 422, 2017. [PMID: 28108796]
- Rathore MH: Group B streptococcal cellulitis and adenitis concurrent with meningitis. *Clin Pediatr (Phila)* 28: 411, 1989. [PMID: 2670393]
- Barton LL, Ramsey RA, Raval DS: Neonatal group B *Streptococcus* cellulitis-adenitis. *Pediatr Dermatol* 10: 58, 1993. [PMID: 8493171]
- Darville T, Jacobs RF: Lymphadenopathy, lymphadenitis and lymphangitis, in Jenson HB, Baltimore RS (eds): *Pediatric Infectious Diseases: Principles and Practice*, 2nd ed. Philadelphia: Saunders; 2002:610–629.
- Rahal A, Abela A, Arcand PH, et al: Nontuberculous mycobacterial adenitis of the head and neck in children: experience from a tertiary care pediatric center. *Laryngoscope* 111: 1791, 2001. [PMID: 11801947]
- Fraser L, Moore P, Kubba H: Atypical mycobacterial infection of the head and neck in children: a 5-year retrospective review. *Otolaryngol Head Neck Surg* 138: 311, 2008. [PMID: 18312877]
- Saggese D, Compadretti GC, Burnelli R: Nontuberculous mycobacterial adenitis in children: diagnostic and therapeutic management. *Am J Otolaryngol* 24: 79, 2003. [PMID: 12649820]
- Xu JJ, Peer S, Papsin BC, et al: Tuberculous lymphadenitis of the head and neck in Canadian children: experience from a low-burden region. *Int J Pediatr Otorhinolaryngol* 91: 11, 2016. [PMID: 27863623]
- Leung AK, Davies HD: Cervical lymphadenitis: etiology, diagnosis, and management. *Curr Infect Dis Rep* 11: 183, 2009. [PMID: 19366560]
- Schaad UB, Votteler TP, McCracken GH Jr, Nelson JD: Management of atypical mycobacterial lymphadenitis in childhood: a review based on 380 cases. *J Pediatr* 95: 356, 1979. [PMID: 469659]
- Rosenberg TL, Nolder AR: Pediatric cervical lymphadenopathy. *Otolaryngol Clin North Am* 47: 721, 2014. [PMID: 25213279]
- Allard R: The thyroglossal cyst. *Head Neck Surg* 5: 134, 1982. [PMID: 7169333]
- Faerber EN, Swartz JD: Imaging of neck masses in infants and children. *Crit Rev Diagn Imaging* 31: 283, 1991. [PMID: 2036174]
- Malik A, Odita J, Rodriguez J, Hardjasudarma M: Pediatric neck masses: a pictorial review for practicing radiologists. *Curr Probl Diagn Radiol* 31: 146, 2002. [PMID: 12362161]
- Vazquez E, Enriquez G, Castellote A, et al: US, CT, and MR imaging of neck lesions in children. *Radiographics* 15: 105, 1995. [PMID: 7899590]
- Motamed M, McGlashan JA: Thyroglossal duct carcinoma. *Curr Opin Otolaryngol Head Neck Surg* 12: 106, 2004. [PMID: 15167046]
- Smirniotopoulos JG, Chiechi MV: Teratomas, dermoids, and epidermoids of the head and neck. *Radiographics* 15: 1437, 1995. [PMID: 8577967]
- Radkowski D, Arnold J, Healy GB, et al: Thyroglossal duct remnants. Preoperative evaluation and management. *Arch Otolaryngol Head Neck Surg* 117: 1378, 1991. [PMID: 1845265]
- deMello DE, Lima JA, Liapis H: Midline cervical cysts in children. Thyroglossal anomalies. *Arch Otolaryngol Head Neck Surg* 113: 418, 1987. [PMID: 3814396]
- Rosa PA, Hirsch DL, Dierks EJ: Congenital neck masses. *Oral Maxillofac Surg Clin North Am* 20: 339, 2008. [PMID: 18603195]
- Sheth S, Nussbaum AR, Hutchins GM, Sanders RC: Cystic hygromas in children: sonographic-pathologic correlation. *Radiology* 162: 821, 1987. [PMID: 3544038]
- Geddes G, Butterly MM, Patel SM, Marra S: Pediatric neck masses. *Pediatr Rev* 34: 115, 2013. [PMID: 23457198]
- Bonilla JA, Healy GB: Management of malignant head and neck tumors in children. *Pediatr Clin North Am* 36: 1443, 1989. [PMID: 2685723]
- Park YW: Evaluation of neck masses in children. *Am Fam Physician* 51: 1904, 1995. [PMID: 7762481]
- Albright JT, Topham AK, Reilly JS: Pediatric head and neck malignancies: US incidence and trends over 2 decades. *Arch Otolaryngol Head Neck Surg* 128: 655, 2002. [PMID: 12049559]
- Knight PJ, Reiner CB: Superficial lumps in children: what, when, and why? *Pediatrics* 72: 147, 1983. [PMID: 6866598]
- Kubba H: A child with cervical lymphadenopathy. *Clin Otolaryngol* 31: 433, 2006. [PMID: 17014454]
- Meier JD, Grimmer JF: Evaluation and management of neck masses in children. *Am Fam Physician* 89: 353, 2014. [PMID: 24695506]
- Goins MR, Beasley MS: Pediatric neck masses. *Oral Maxillofac Surg Clin North Am* 24: 457, 2012. [PMID: 22857718]
- Fordham LA, Chung CJ, Donnelly LF: Imaging of congenital vascular and lymphatic anomalies of the head and neck. *Neuroimaging Clin N Am* 10: 117, 2000. [PMID: 10658158]
- Lin JN, Chou ML: Ultrasonographic study of the sternocleidomastoid muscle in the management of congenital muscular torticollis. *J Pediatr Surg* 32: 1648, 1997. [PMID: 9396548]
- Almond SL, Kenny SE: Neck swellings in children. *Surgery* 22: 204, 2004. [PMID: 18280281]
- Lee J, Fernandes R: Neck masses: evaluation and diagnostic approach. *Oral Maxillofac Surg Clin North Am* 20: 321, 2008. [PMID: 18603194]
- Yang WT, Kwan WH, Li CK, Metreweli C: Imaging of pediatric head and neck rhabdomyosarcomas with emphasis on magnetic resonance imaging and a review of the literature. *Pediatr Hematol Oncol* 14: 243, 1997. [PMID: 9185209]
- Zitelli BJ: Neck masses in children: adenopathy and malignant disease. *Pediatr Clin North Am* 28: 813, 1981. [PMID: 7312453]
- Dickson PV, Davidoff AM: Malignant neoplasms of the head and neck. *Semin Pediatr Surg* 15: 92, 2006. [PMID: 16616312]
- Gorhn JB, Sallan SE: Thyroid cancer in childhood. *Endocrinol Metab Clin North Am* 19: 649, 1990. [PMID: 2261910]
- Swischuk LE, John SD: Neck masses in infants and children. *Radiol Clin North Am* 35: 1329, 1997. [PMID: 9374993]