

List of included studies in the evidence base section by chapter

Chapter 3. Genital signs of sexual abuse in girls

Adams J.A., Ahmad M., Phillips P. Anogenital findings and hymenal diameter in children referred for sexual abuse examination. *J Pediatr Adolesc Gynecol* 1988;1 (2):123-127.

Adams J.A., Botash A.S., Kellogg N. Differences in hymenal morphology between adolescent girls with and without a history of consensual sexual intercourse. *Arch Pediatr Adolesc Med* 2004;158 (3):280-285.

Adams J.A., Girardin B., Faugno D. Adolescent sexual assault: documentation of acute injuries using photo-colposcopy. *J Pediatr Adolesc Gynecol* 2001;14(4):175-180.

Adams J.A., Harper K., Knudson S., et al. Examination findings in legally confirmed child sexual abuse: it's normal to be normal.[see comment]. *Pediatrics* 1994;94(3):310-317.

Adams J.A., Knudson S. Genital findings in adolescent girls referred for suspected sexual abuse. *Arch Pediatr Adolesc Med* 1996;150(8):850-857.

American Professional Society on the Abuse of Children (APSAC). Glossary of terms and the interpretations of findings for child sexual abuse evidentiary examinations. 1998.

Anderst J., Kellogg N., Jung I. Reports of repetitive penile-genital penetration often have no definitive evidence of penetration. *Pediatrics* 2009;124(3):e403-e409.

Berenson A.B. A longitudinal study of hymenal morphology in the first 3 years of life. *Pediatrics* 1995;95(4):490-496.

Berenson A.B., Chacko M.R., Wiemann C.M., et al. A case-control study of anatomic changes resulting from sexual abuse.[see comment]. *Am J Obstet Gynecol* 2000;182(4):820-831.

Berenson A.B., Chacko M.R., Wiemann C.M., et al. Use of hymenal measurements in the diagnosis of previous penetration. *Pediatrics* 2002;109(2):228-235.

Berenson A.B., Grady J.J. A longitudinal study of hymenal development from 3 to 9 years of age. *J Pediatr* 2002;140(5):600-607.

Berenson A.B., Heger A., Androphy E. Appearance of the hymen in newborns. *Pediatrics* 1991;87 (4):458-465.

Berenson A.B., Heger A.H., Hayes J.M., et al. Appearance of the hymen in prepubertal girls. *Pediatrics* 1992;89(3):387-394.

Christian C.W., Lavelle J.M., De Jong A.R., et al. Forensic evidence findings in prepubertal victims of sexual assault. *Pediatrics* 2000;106(1):100-104.

DeLago C., Deblinger E., Schroeder C., et al. Girls who disclose sexual abuse: urogenital symptoms and signs after genital contact. *Pediatrics* 2008;122(2):e281-e286.

Emans S.J., Woods E.R., Flagg N.T., et al. Genital findings in sexually abused, symptomatic and asymptomatic, girls. *Pediatrics* 1987;79(5):778-785.

Finkel M.A. Anogenital trauma in sexually abused children. *Pediatrics* 1989;84(2):317-322.

Heppenstall-Heger A., McConnell G., Ticson L., et al. Healing patterns in anogenital injuries: A longitudinal study of injuries associated with sexual abuse, accidental injuries, or genital surgery in the preadolescent child. *Pediatrics* 2003;112(4):829-837.

Herman-Giddens M.E. Vaginal foreign bodies and child sexual abuse. [Review]. *Arch Pediatr Adolesc Med* 1994;148(2):195-200.

Herman-Giddens M.E., Frothingham T.E. Prepubertal female genitalia: examination for evidence of sexual abuse. *Pediatrics* 1987;80(2):203-208.

Ingram D.M., Everett V.D., Ingram D.L. The relationship between the transverse hymenal orifice diameter by the separation technique and other possible markers of sexual abuse. *Child Abuse Negl* 2001;25(8):1109-1120.

Jenny C., Kuhns M.L., Arakawa F. Hymens in newborn female infants. *Pediatrics* 1987;80(3):399-400.

Leung A.K.C., Robson W.L.M., Tay-Uybojo J. The incidence of labial fusion in children. *J Paediatr Child Health* 1993;29 (3):235-236.

Lillibridge C., Kappes B. Quantitative observations of hymens in prepubescent females selected for non-abuse. *Alaska Med* 1993;35(2):160-167.

Maguire W., Goodall E., Moore T. Injury in adult female sexual assault complainants and related factors. *Eur J Obstet Gynecol Reprod Biol* 2009;142(2):149-153.

McCann J., Miyamoto S., Boyle C., et al. Healing of hymenal injuries in prepubertal and adolescent girls: A descriptive study. *Pediatrics* 2007;119(5):e1094-1106.

McCann J., Miyamoto S., Boyle C., et al. Healing of nonhymenal genital injuries in prepubertal and adolescent girls: a descriptive study. *Pediatrics* 2007;120(5):1000-1011.

McCann J., Voris J., Simon M. Genital injuries resulting from sexual abuse: A longitudinal study. *Pediatrics* 1992;89(2):307-317.

Muram D. Child sexual abuse: relationship between sexual acts and genital findings. *Child Abuse Negl* 1989;13(2):211-216.

Muram D. Child sexual abuse--genital tract findings in prepubertal girls. I. The unaided medical examination. *Am J Obstet Gynecol* 1989;160(2):328-333.

Muram D., Speck P.M., Dockter M. Child sexual abuse examination: is there a need for routine screening for *N. gonorrhoeae*? *J Pediatr Adolesc Gynecol* 1996;9(2):79-80.

Myhre A.K., Berntzen K., Bratlid D. Genital anatomy in non-abused preschool girls.[see comment]. *Acta Paediatr* 2003;92(12):1453-1462.

Myhre A.K., Myklestad K., Adams J.A. Changes in genital anatomy and microbiology in girls between age 6 and age 12 years: a longitudinal study. *J Pediatr Adolesc Gynecol* 2010;23(2):77-85.

Palusci V.J., Cox E.O., Shatz E.M., et al. Urgent medical assessment after child sexual abuse. *Child Abuse Negl* 2006;30(4):367-380.

Shapiro R.A., Schubert C.J., Myers P.A. Vaginal discharge as an indicator of gonorrhea and Chlamydia infection in girls under 12 years old. *Pediatr Emerg Care* 1993;9(6):341-345.

Stricker T., Navratil F., Sennhauser F.H. Vaginal foreign bodies. *Journal of Paediatrics & Child Health* 2004;40(4):205-207

Strickler T., Navratil F., Sennhauser F.H. (2004). Vaginal foreign bodies. 40: 205-207.

White S.T., Ingram D.L., Lyna P.R. Vaginal introital diameter in the evaluation of sexual abuse. *Child Abuse Negl* 1989;13(2):217-224.

Yanoh K., Yonemura Y. Severe vaginal ulcerations secondary to insertion of an alkaline battery. *J Trauma* 2005;58(2):410-412.

Chapter 4. Genital signs of sexual abuse in girls

Abdessamad H.M., Greenfield M. Vaginal foreign body presenting as bleeding with defecation in a child. *Journal of Pediatric & Adolescent Gynecology* 2009;22(2):e5-e7.

Agarwal S., Lall A., Bianchi A., et al. Uro-genital bleeding in pre-menarcheal girls: Dilemmas of child abuse. *Pediatric Surgery International*.24 (6) (pp 745-746), 2008.Date of Publication: Jun 2008. 2008;(6):Jun.

Akani C.I., Pepple D.K., Ugboma H.A. Urethral prolapse: a retrospective analysis of hospitalized cases in Port Harcourt. *Nigerian Journal of Medicine: Journal of the National Association of Resident Doctors of Nigeria* 2005;14(4):396-399.

Al-Khenaizan S., Almuneef M., Kentab O. Lichen sclerosus mistaken for child sexual abuse. *International Journal of Dermatology*.44 (4) (pp 317-320), 2005.Date of Publication: Apr 2005. 2005;(4):Apr.

Anveden-Hertzberg L., Gauderer M.W., Elder J.S. Urethral prolapse: an often misdiagnosed cause of urogenital bleeding in girls. [Review] [25 refs]. *Pediatric Emergency Care* 1995;11(4):212-214.

Aprile A., Ranzato C., Rizzotto M.R., et al. "Vaginal" bleeding in prepubertal age: A rare scaring riddle, a case of the urethral prolapse and review of the literature. *Forensic Science International*.210 (1-3) (pp e16-e20), 2011.Date of Publication: 15 Jul 2011. 2011;(1-3):15.

Arora M., Shrivastav R.K., Jaiprakash M.P. A rare germ-cell tumor site: vaginal endodermal sinus tumor. *Pediatric Surgery International* 2002;18(5-6):521-523.

Aycan Z., Onder A., Cetinkaya S. Eight-year follow-up of a girl with McCune-Albright syndrome. *Journal of clinical research in pediatric endocrinology* 2011;3(1):40-42.

Bercaw-Pratt J.L., Moorjani T.P., Santos X.M., et al. Diagnosis and management of precocious puberty in atypical presentations of McCune-Albright syndrome: a case series review. *Journal of Pediatric & Adolescent Gynecology* 2012;25(1):e9-e13.

Berth-Jones J., Graham-Brown R.A.C., Burns D.A. Lichen sclerosus et atrophicus - A review of 15 cases in young girls. *Clinical and Experimental Dermatology*.16 (1) (pp 14-17), 1991.Date of Publication: 1991. 1991;(1):1991.

Campaner A.B., Scapinelli A., Machado R.O., et al. Primary hypothyroidism presenting as ovarian tumor and precocious puberty in a prepubertal girl. *Gynecological Endocrinology* 2006;22(7):395-398.

Carlson N.J., Mercer L.J., Hajj S.N. Urethral prolapse in the premenarcheal female. *International Journal of Gynecology and Obstetrics*.25 (1) (pp 69-71), 1987.Date of Publication: 1987. 1987;(1):1987.

Choudhary A., Spigland N., Poppas D., et al. Vaginal bleeding leading to incidental diagnosis of ovarian torsion in an infant with 21 hydroxylase deficiency congenital adrenal hyperplasia. *Journal of Pediatrics* 2013;162(2):432-432.

de Silva M.V., Fernando M.S., Amaratunge K., et al. Vaginal bleeding in infants caused by endodermal sinus tumours. [Review] [10 refs]. *Ceylon Medical Journal* 1997;42(4):193-194.

Esposito J.M. Circular prolapse of the urethra in children: a cause of vaginal bleeding. *Obstetrics & Gynecology* 1968;31(3):363-367.

Falandry L. Prolapse of the urethra in black girls. Personal experience in 11 cases. [French]. *Medecine tropicale : revue du Corps de sante colonial*.54 (2) (pp 152-156), 1994.Date of Publication: 1994. 1994;(2):1994.

Fernandes E.T., Dekermacher S., Sabadin M.A., et al. Urethral prolapse in children. *Urology* 1993;41(3):240-242.

Frasier L. Is the genital itching, irritation, and occasional bleeding in this 6-year-old girl the result of deliberate harm? *Consultant*.42 (6) (pp 769-771), 2002.Date of Publication: 2002. 2002;(6):2002.

French G.M., Johnson C.F. Genital bleeding. Two uncommon causes in patients referred to a sexual abuse clinic. *Clinical Pediatrics* 1994;33(1):38-41.

Gordon C.M., Austin D.J., Radovick S., et al. Primary hypothyroidism presenting as severe vaginal bleeding in a prepubertal girl. *Journal of Pediatric and Adolescent Gynecology*.10 (1) (pp 35-38), 1997.Date of Publication: 1997. 1997;(1):1997.

Grygotis L.A., Chew F.S. Endodermal sinus tumor of the vagina. *AJR.American Journal of Roentgenology* 1997;169(6):1632.

Handfield-Jones S.E., Hinde F.R.J., Kennedy C.T.C. Lichen sclerosus et atrophicus in children misdiagnosed as sexual abuse. *British Medical Journal*.294 (6584) (pp 1404-1405), 1987.Date of Publication: 1987. 1987;(6584):1987.

Jackson M.G., Simms-Cendan J., Sims S.M., et al. Vaginal Bleeding Due to an Infantile Hemangioma in a 3-Year-Old Girl. *Journal of Pediatric and Adolescent Gynecology*.22 (4) (pp e53-e55), 2009.Date of Publication: August 2009. 2009;(4):August.

Johnson C. Prolapse of the urethra: confusion of clinical and anatomic characteristics with sexual abuse. *Pediatrics* 1991;87(5):722-724.

Kamat M.H., Del G.A., Seebode J.J. Urethral prolapse in female children. *American journal of diseases of children* (1960).118 (5) (pp 691-693), 1969.Date of Publication: Nov 1969. 1969;(1960):Nov.

Kumar V., Kini P., Vepakomma D., et al. Vaginal endodermal sinus tumor. *Indian Journal of Pediatrics* 2005;72(9):797-798.

Lacy J., Capra M., Allen L. Endodermal sinus tumor of the infant vagina treated exclusively with chemotherapy. *Journal of Pediatric Hematology/Oncology* 2006;28(11):768-771.

Lane B.R., Ross J.H., Hart W.R., et al. Müllerian papilloma of the cervix in a child with multiple renal cysts. *Urology* 2005;65(2):388.

Loening-Baucke V. Lichen sclerosus et atrophicus in children. *American Journal of Diseases of Children* 1991;145(9):1058-1061.

Mahzouni P., Pejhan S., Ashrafi M. Yolk sac tumor of the vagina. *Saudi Medical Journal* 2007;28(7):1125-1126.

Muhlendahl V. Suspected sexual abuse in a 10-year-old girl. *Lancet*.348 (9019) (pp 30), 1996.Date of Publication: 06 Jul 1996. 1996;(9019):06.

Park B.J., Kim Y.W., Kim T.E., et al. Urethral prolapse in a premenarchal asian girl. *Obstetrics and Gynecology*.113 (2 PART 2) (pp 506-507), 2009.Date of Publication: February 2009. 2009;(2 PART 2):February.

Phupong V., Aribarg A. Vaginal bleeding in a young girl due to primary hypothyroidism. *Archives of Gynecology & Obstetrics* 2003;268(3):217-218.

Rakover Y., Weiner E., Shalev E., et al. Vaginal bleeding: presenting symptom of acquired primary hypothyroidism in a seven year-old girl. *Journal of Pediatric Endocrinology* 1993;6(2):197-200.

Reck-Burneo C.A., Villanueva J., Velcek F.T. Vaginal Müllerian Papilloma: An Unusual Cause of Vaginal Bleeding in a Toddler. *Journal of Pediatric and Adolescent Gynecology* 2009;22(5):e124-e126.

Rostampour N., Hashemipour M., Kelishadi R., et al. A case of atypical McCune-Albright Syndrome with vaginal bleeding. *Iranian Journal of Pediatrics* 2011;21(3):Sep.

Sharma Y., Bajpai A., Mittal S., et al. Ovarian cysts in young girls with hypothyroidism: follow-up and effect of treatment. *Journal of Pediatric Endocrinology* 2006;19(7):895-900.

Shavit I., Solt I. Urethral prolapse misdiagnosed as vaginal bleeding in a premenarchal girl. *European Journal of Pediatrics* 2008;167(5):597-598.

Singh B.M., Ammini A.C., Kriplani A. Ovarian cyst in juvenile hypothyroidism. *Archives of Gynecology & Obstetrics* 2005;271(3):262-263.

Stricker T., Navratil F., Sennhauser F.H. Vaginal foreign bodies. *Journal of Paediatrics & Child Health* 2004;40(4):205-207.

Striegel A.M., Myers J.B., Sorensen M.D., et al. Vaginal discharge and bleeding in girls younger than 6 years. *Journal of Urology* 2006;176(6:Pt 1):t-5.

Takeuchi K., Deguchi M., Takeshima Y., et al. A case of multiple ovarian cysts in a prepubertal girl with severe hypothyroidism due to autoimmune thyroiditis. *International Journal of Gynecological Cancer* 2004;14(3):543-545.

Trotman M.D., Brewster E.M. Prolapse of the urethral mucosa in prepubertal West Indian girls. *British Journal of Urology* 1993;72(4):503-505.

Tsanadis G., Avgoustatos F., Sotiriadis A., et al. Isolated menses: a benign, self-limited process. *J Obstet Gynaecol* 2002;22(3):323.

Uli N., Chin D., David R., et al. Menstrual bleeding in a female infant with congenital adrenal hyperplasia: altered maturation of the hypothalamic-pituitary-ovarian axis. *Journal of Clinical Endocrinology & Metabolism* 1997;82(10):3298-3302.

Warrington S.A., de San L.C. Lichen sclerosus et atrophicus and sexual abuse. *Archives of Disease in Childhood* 1996;75(6):512-516.

Watanabe N., Okita H., Matsuoka K., et al. Vaginal yolk sac (endodermal sinus) tumors in infancy presenting persistent vaginal bleeding. *Journal of Obstetrics & Gynaecology Research* 2010;36(1):213-216.

Wormsbecker A., Clarson C. Acquired primary hypothyroidism: vaginal bleeding in a quiet child. CMAJ Canadian Medical Association Journal 2010;182(6):588-590.

Yadav K., Singh G., Budhiraja S., et al. Endodermal sinus tumour of cervix--case report. Indian Journal of Cancer 1996;33(1):43-45.

Chapter 5. Anal signs of child sexual abuse

Adams J.A. Medical evaluation of suspected child sexual abuse. *Journal of Pediatric and Adolescent Gynecology* 17(3):191-197.

Adams J.A. Medical evaluation of suspected child sexual abuse: 2011 update. *J Child Sex Abus* 2011;20(5):588-605.

Adams J.A., Ahmad M., Phillips P. Anogenital findings and hymenal diameter in children referred for sexual abuse examination. *J Pediatr Adolesc Gynecol* 1988;1 (2):123-127.

Adams J.A., Girardin B., Faugno D. Adolescent sexual assault: documentation of acute injuries using photo-colposcopy. *J Pediatr Adolesc Gynecol* 2001;14(4):175-180.

Adams J.A., Harper K., Knudson S., et al. Examination findings in legally confirmed child sexual abuse: it's normal to be normal.[see comment]. *Pediatrics* 1994;94(3):310-317.

Agnarsson U., Warde C., McCarthy G., et al. Perianal appearances associated with constipation. *Arch Dis Child* 1990;65(11):1231-1234.

American Professional Society on the Abuse of Children (APSAC). Glossary of terms and the interpretations of findings for child sexual abuse evidentiary examinations. 1998.

Berenson A.B., Somma-Garcia A., Barnett S. Perianal findings in infants 18 months of age or younger. *Pediatrics* 1993;91 (4):838-840.

Boos S.C., Rosas A.J., Boyle C., et al. Anogenital injuries in child pedestrians run over by low speed motor vehicles: Four cases with findings that mimic child sexual abuse. *Pediatrics* 2003;112(1 Pt1):77-84.

Bruni M. Anal Findings in Sexual Abuse of Children (A Descriptive Study). *J Forensic Sci* 2003;48(6):1343-1346.

Emans S.J., Woods E.R., Flagg N.T., et al. Genital findings in sexually abused, symptomatic and asymptomatic, girls. *Pediatrics* 1987;79(5):778-785.

Finkel M.A. Anogenital trauma in sexually abused children. *Pediatrics* 1989;84(2):317-322.

Heppenstall-Heger A., McConnell G., Ticson L., et al. Healing patterns in anogenital injuries: A longitudinal study of injuries associated with sexual abuse, accidental injuries, or genital surgery in the preadolescent child. *Pediatrics* 2003;112(4):829-837.

Hobbs C.J., Wynne J.M. Buggery in childhood--a common syndrome of child abuse. *Lancet* 1986;2(8510):792-796.

Hobbs C.J., Wynne J.M. Child sexual abuse--an increasing rate of diagnosis. *Lancet* 1987;2(8563):837-841.

Hobbs C.J., Wynne J.M. Sexual abuse of English boys and girls: the importance of anal examination. *Child Abuse Negl* 1989;13(2):195-210.

McCann J., Voris J. Perianal injuries resulting from sexual abuse: A longitudinal study. *Pediatrics* 1993;91(2):390-397.

- McCann J., Voris J., Simon M., et al. Perianal findings in prepubertal children selected for nonabuse: a descriptive study. *Child Abuse Negl* 1989;13(2):179-193.
- Muram D. Anal and perianal abnormalities in prepubertal victims of sexual abuse. *Am J Obstet Gynecol* 1989;161(2):278-281.
- Myhre A.K., Adams J.A., Kaufhold M., et al. Anal findings in children with and without probable anal penetration: A retrospective study of 1115 children referred for suspected sexual abuse. *Child Abuse Negl* 2013;37(7):July.
- Myhre A.K., Berntzen K., Bratlid D. Perianal anatomy in non-abused preschool children. *Acta Paediatr* 2001;90(11):1321-1328.
- Palusci V.J., Cox E.O., Shatz E.M., et al. Urgent medical assessment after child sexual abuse. *Child Abuse Negl* 2006;30(4):367-380.
- Pierce A.M. Anal fissures and anal scars in anal abuse - Are they significant? *Pediatr Surg Int* 2004;20(5):334-338.
- Reinhart M.A. Sexually abused boys. *Child Abuse Negl* 1987;11(2):229-235.
- Roane T.H. Male victims of sexual abuse: a case review within a child protective team. *Child Welfare* 1992;71(3):231-239.
- Royal College of Physicians (RCP). *Physical Signs of Sexual Abuse in Children*. 1991.
- Sfriso F., Masiero S., Mardegan V., Bressan S., Aprile A. Reflex anal dilatation: An observational study on non-abused children. *Forensic Sci Int* 2014;238:22-25.
- Spencer M.J., Dunklee P. Sexual abuse of boys. *Pediatrics* 1986;78(1):133-138.
- Watkeys J.M., Price L.D., Upton P.M., et al. The timing of medical examination following an allegation of sexual abuse: is this an emergency? *Arch Dis Child* 2008;93(10):851-856.

Chapter 6. Genital signs of sexual abuse in boys

Hobbs, C. J., Osman, J. Genital injuries in boys and abuse. *Arch Dis Child* 2007;92(4):328-331.

Hobbs, C. J., Wynne, J. M. Child sexual abuse--an increasing rate of diagnosis. *Lancet* 1987;2(8563):837-841.

Kadish, H. A., Schunk, J. E., Britton, H. Pediatric male rectal and genital trauma: Accidental and nonaccidental injuries. *Pediatr Emerg Care* 1998;14(2):95-98.

Palusci, V. J., Cox, E. O., Shatz, E. M., *et al.* Urgent medical assessment after child sexual abuse. *Child Abuse Negl* 2006;30(4):367-380.

Reinhart, M. A. Sexually abused boys. *Child Abuse Negl* 1987;11(2):229-235.

Roane, T. H. Male victims of sexual abuse: a case review within a child protective team. *Child Welfare* 1992;71(3):231-239.

Spencer, M. J., Dunklee, P. Sexual abuse of boys. *Pediatrics* 1986;78(1):133-138.

Chapter 7. Extent of ano-genital signs at examination

Adams J.A. Approach to the interpretation of medical and laboratory findings in suspected child sexual abuse: A 2005 revision. *The APSAC Advisor* 2005;7-13.

Adams J.A. Medical evaluation of suspected child sexual abuse: 2011 update. *J Child Sex Abus* 2011;20(5):588-605.

Adams J.A., Ahmad M., Phillips P. Anogenital findings and hymenal diameter in children referred for sexual abuse examination. *J Pediatr Adolesc Gynecol* 1988;1 (2):123-127.

Adams J.A., Girardin B., Faugno D. Adolescent sexual assault: documentation of acute injuries using photo-colposcopy. *J Pediatr Adolesc Gynecol* 2001;14(4):175-180.

Adams J.A., Harper K., Knudson S., et al. Examination findings in legally confirmed child sexual abuse: it's normal to be normal.[see comment]. *Pediatrics* 1994;94(3):310-317.

Adams J.A., Knudson S. Genital findings in adolescent girls referred for suspected sexual abuse. *Arch Pediatr Adolesc Med* 1996;150(8):850-857.

Anderst J., Kellogg N., Jung I. Reports of repetitive penile-genital penetration often have no definitive evidence of penetration. *Pediatrics* 2009;124(3):e403-e409.

Berenson A.B., Chacko M.R., Wiemann C.M., et al. A case-control study of anatomic changes resulting from sexual abuse.[see comment]. *Am J Obstet Gynecol* 2000;182(4):820-831.

Bruni M. Anal Findings in Sexual Abuse of Children (A Descriptive Study). *J Forensic Sci* 2003;48(6):1343-1346.

Christian C.W., Lavelle J.M., De Jong A.R., et al. Forensic evidence findings in prepubertal victims of sexual assault. *Pediatrics* 2000;106(1):100-104.

Emans S.J., Woods E.R., Flagg N.T., et al. Genital findings in sexually abused, symptomatic and asymptomatic, girls. *Pediatrics* 1987;79(5):778-785.

Gavril A.R., Kellogg N.D., Nair P. Value of follow-up examinations of children and adolescents evaluated for sexual abuse and assault. *Pediatrics* 2012;129(2):282-289.

Heger A., Ticson L., Velasquez O., et al. Children referred for possible sexual abuse: medical findings in 2384 children. *Child Abuse Negl* 2002;26(6-7):645-659.

Muram D. Anal and perianal abnormalities in prepubertal victims of sexual abuse. *Am J Obstet Gynecol* 1989;161(2):278-281.

Muram D. Child sexual abuse: relationship between sexual acts and genital findings. *Child Abuse Negl* 1989;13(2):211-216.

Muram D. Child sexual abuse--genital tract findings in prepubertal girls. I. The unaided medical examination. *Am J Obstet Gynecol* 1989;160(2):328-333.

Myhre A.K., Adams J.A., Kaufhold M., et al. Anal findings in children with and without probable anal penetration: A retrospective study of 1115 children referred for suspected sexual abuse. *Child Abuse Negl* 2013;37(7):July.

Palusci V.J., Cox E.O., Shatz E.M., et al. Urgent medical assessment after child sexual abuse. *Child Abuse Negl* 2006;30(4):367-380.

Reinhart M.A. Sexually abused boys. *Child Abuse Negl* 1987;11(2):229-235.

Roane T.H. Male victims of sexual abuse: a case review within a child protective team. *Child Welfare* 1992;71(3):231-239.

Spencer M.J., Dunklee P. Sexual abuse of boys. *Pediatrics* 1986;78(1):133-138.

Watkeys J.M., Price L.D., Upton P.M., et al. The timing of medical examination following an allegation of sexual abuse: is this an emergency? *Arch Dis Child* 2008;93(10):851-856.

Chapter 8. Anogenital signs of accidental injuries in girls and boys

Adams R.J., Attia M., Cronan K. Report of 4 cases of testicular rupture in adolescent boys secondary to sports-related trauma. *Pediatr Emerg Care* 2008;24(12):847-848.

Ahmed S., Neel K.F. Urethral injury in girls with fractured pelvis following blunt abdominal trauma. *Br J Urol* 1996;78(3):450-453.

Akgul T., Ersoy E., Polat O., et al. Penile crural injury due to perineal penetrating trauma: a case report. *Kaohsiung J Med Sci* 2008;24(8):422-424.

Bagga H.S., Tasian G.E., McGeady J., et al. Zip-related genital injury. *BJU Int* 2013;112(2):E191-E194.

Berkenbaum C., Balu L., Sauvat F., et al. Severe Vaginal Laceration in a 5-Year-Old Girl Caused by Sudden Hydro-Distention. *J Pediatr Adolesc Gynecol* 2013;26(6):e131-e132.

Bertozzi M., Prestipino M., Nardi N., et al. Scrotal dog bite: unusual case and review of pediatric literature. *Urology* 2009;74(3):595-597.

Black C.T., Pokorny W.J., McGill C.W., et al. Ano-rectal trauma in children. *J Pediatr Surg* 1982;17(5):501-504.

Bond G.R., Dowd M.D., Landsman I., et al. Unintentional perineal injury in prepubescent girls: a multicenter, prospective report of 56 girls. *Pediatrics* 1995;95(5):628-631.

Bonnard A., Paye-Jaouen A., Ilharborde B., et al. Lessons learnt from two pediatric motor vehicle accidents resulting in anal canal, rectal and gluteal muscle wrenching. *Pediatr Surg Int* 2011;27(10):1135-1139.

Boos S. Accidental hymenal injury mimicking sexual trauma. *Pediatrics* 1999;103(6 pt1):1287-1290.

Boos S.C., Rosas A.J., Boyle C., et al. Anogenital injuries in child pedestrians run over by low speed motor vehicles: Four cases with findings that mimic child sexual abuse. *Pediatrics* 2003;112(1 Pt1):77-84.

Cannada L.K., Scovell J.F., Bauer B., et al. Open pelvic fracture with vaginal laceration and arterial injury in a pediatric patient. *Am J Orthop* 2011;40(8):415-417.

Celik N., Yalcin S., Gucer S., et al. Clitoral epidermoid cyst secondary to blunt trauma in a 9-year-old child. *Turk J Pediatr* 2011;53(1):108-110.

Dowd M.D., Fitzmaurice L., Knapp J.F., et al. The interpretation of urogenital findings in children with straddle injuries. *J Pediatr Surg* 1994;29(1):7-10.

Fox P.D. Impalement perforations of the perineum. *Am J Surg* 1951;82(4):511-516.

Gabriel N.M., Clayton M., Starling S.P. Vaginal laceration as a result of blunt vehicular trauma. *J Pediatr Adolesc Gynecol* 2009;22(5):e166-e168.

Gearhart J.P., Lowe F.C. Genitourinary injuries secondary to break dancing in children and adolescents. *Pediatrics* 1986;77:922-924.

Gourdie A. Penetrating rectal wound from a bicycle saddle. *Injury* 1985;16(6):409-410.

Heppenstall-Heger A., McConnell G., Ticson L., et al. Healing patterns in anogenital injuries: A longitudinal study of injuries associated with sexual abuse, accidental injuries, or genital surgery in the preadolescent child. *Pediatrics* 2003;112(4):829-837.

Herrmann B., Crawford J. Genital injuries in prepubertal girls from inline skating accidents. *Pediatrics* 2002;110(2 Pt 1):e16.

Hobbs C.J., Osman J. Genital injuries in boys and abuse. *Arch Dis Child* 2007;92(4):328-331.

Hostetler B.R., Muram D., Jones C.E. Sharp penetrating injuries to the hymen. *Adolesc Pediatr Gynecol* 1994;7(2):94-96.

Iqbal C.W., Jrebi N.Y., Zielinski M.D., et al. Patterns of accidental genital trauma in young girls and indications for operative management. *J Pediatr Surg* 2010;45(5):930-933.

Jones J.G., Worthington T. Genital and anal injuries requiring surgical repair in females less than 21 years of age. *J Pediatr Adolesc Gynecol* 2008;21(4):207-211.

Jones L.W., Bass D.H. Perineal injuries in children. *Br J Surg* 1991;78(9):1105-1107.

Kadish H.A., Schunk J.E., Britton H. Pediatric male rectal and genital trauma: Accidental and nonaccidental injuries. *Pediatr Emerg Care* 1998;14(2):95-98.

Kunkel N.C. Vaginal injury from a water slide in a premenarcheal patient. *Pediatr Emerg Care* 1998;14(3):210-211.

Lacy J., Brennand E., Ornstein M., et al. Vaginal laceration from a high-pressure water jet in a prepubescent girl. *Pediatr Emerg Care* 2007;23(2):112-114.

Liuzzi C., Carabellese F., Vinci F. Perineal-vaginal injuries in children: Accident or abuse? *J Forensic Sci* 2010;55(4):1120-1122.

Lynch J.M., Gardner M.J., Albanese C.T. Blunt urogenital trauma in prepubescent female patients: more than meets the eye! *Pediatr Emerg Care* 1995;11(6):372-375.

Merritt D.F. Management quandary. Vulvar trauma in a young girl. *J Pediatr Adolesc Gynecol* 2003;16(5):325-326.

Perlman S.E., Hertweck S.P., Wolfe W.N. Water skyng douche injury in a premenarcheal female. *Pediatrics* 1995;96:2-783.

Pierce A.M., Robson W.J. Genital injury in girls - accidental or not? *Ped Sur Int* 1993;8(3):239-243.

Pode D., Shapiro a. Traumatic avulsion of the female urethra: case report. *J Trauma* 1990;30(2):235-237.

Pokorny S.F., Pokorny W.J., Kramer W. Acute genital injury in the prepubertal girl. *Am J Obstet Gynecol* 1992;166(5):1461-1466.

Redman J.F. Genital dog bite injuries in infants and children. *Clin Pediatr (Phila)* 1995;34(6):331-333.

Scheidler M.G., Schultz B.L., Schall L., et al. Mechanisms of blunt perineal injury in female pediatric patients. *J Pediatr Surg* 2000;35(9):1317-1319.

Sinclair K.A., Knapp J.F. Case records of the children's mercy hospital: A 12-year-old girl with a straddle injury. *Pediatr Emerg Care* 2011;27(6):550-552.

Sogut O., Boleken M.E., Cevik M., et al. Severe blunt perineal trauma in children: A retrospective analysis of 28 patients. *HK J Em Med* 2011;18(5):316-323.

Sugar N.F., Feldman K.W. Perineal impalements in children: Distinguishing accident from abuse. *Pediatr Emerg Care* 2007;23(9):605-616.

Vincent M.V., Abel C., Duncan N.D. Penetrating anorectal injuries in Jamaican children. *Pediatr Surg Int* 2012;28(11):1101-1107.

West R., Davis A., Fenton T. Accidental vulvar injuries in childhood. *BMJ* 1989.

Wyatt J.P., Scobie W.G. The management of penile zip entrapment in children. *Injury* 1994;25(1):59-60.

Wynne J.M. Injuries to the genitalia in female children. *S Afr Med J.* 1980;57:47-50.

Chapter 9. Healing of Anogenital Injuries

- Boos, S. Accidental hymenal injury mimicking sexual trauma. *Pediatrics* 1999;103(6 pt1):1287-1290.
- Boos, S. C., Rosas, A. J., Boyle, C., et al. Anogenital injuries in child pedestrians run over by low speed motor vehicles: Four cases with findings that mimic child sexual abuse. *Pediatrics* 2003;112(1 Pt1):77-84.
- Finkel, M. A. Anogenital trauma in sexually abused children. *Pediatrics* 1989;84(2):317-322.
- Heppenstall-Heger, A., McConnell, G., Ticson, L., et al. Healing patterns in anogenital injuries: A longitudinal study of injuries associated with sexual abuse, accidental injuries, or genital surgery in the preadolescent child. *Pediatrics* 2003;112(4):829-837.
- Hostetler, B. R., Muram, D., Jones, C. E. Sharp penetrating injuries to the hymen. *Adolesc Pediatr Gynecol* 1994;7(2):94-96.
- McCann, J., Miyamoto, S., Boyle, C., et al. Healing of hymenal injuries in prepubertal and adolescent girls: A descriptive study. *Pediatrics* 2007;119(5):e1094-1106.
- McCann, J., Miyamoto, S., Boyle, C., et al. Healing of nonhymenal genital injuries in prepubertal and adolescent girls: a descriptive study. *Pediatrics* 2007;120(5):1000-1011.
- McCann, J., Voris, J. Perianal injuries resulting from sexual abuse: A longitudinal study. *Pediatrics* 1993;91(2):390-397.
- McCann, J., Voris, J., Simon, M. Genital injuries resulting from sexual abuse: A longitudinal study. *Pediatrics* 1992;89(2):307-317.

Chapter 10. Sexually transmitted infections

Argent A.C., Lachman P.I., Hanslo D., et al. Sexually transmitted diseases in children and evidence of sexual abuse. *Child Abuse Negl* 1995;19(10):1303-1310.

Bartley D.L., Morgan L., Rimsza M.E. Gardnerella vaginalis in prepubertal girls. *Am Journal Dis Child* 1987;141(9):1014-1017.

Bump R.C., Buesching W.J., III Bacterial vaginosis in virginal and sexually active adolescent females: evidence against exclusive sexual transmission. *Am J Obstet Gynecol* 1988;158(4):935-939.

Dattel B.J., Landers D.V., Coulter K., et al. Isolation of Chlamydia trachomatis and Neisseria gonorrhoeae from the genital tract of sexually abused prepubertal females. *J Pediatr Adolesc Gynecol* 1989;2(4):217-220.

de Jesus L.E., Cirne Neto O.L., Monteiro do Nascimento L.M., et al. Anogenital warts in children: sexual abuse or unintentional contamination? *Cad Saude Publica* 2001;17(6):1383-1391.

De Jong A.R. Sexually transmitted diseases in sexually abused children. *Sex Transm Dis* 1986;13(3):123-126.

de Villiers F.P., Prentice M.A., Bergh A.M., et al. Sexually transmitted disease surveillance in a child abuse clinic. *S Afr Med J*. 1992;81(2):84-86.

Derksen D.J. Children with condylomata acuminata. *J Fam Pract* 1992;34(4):419-423.

Farrell M.K., Billmire M.E., Shamroy J.A., et al. Prepubertal gonorrhea: a multidisciplinary approach. *Pediatrics* 1981;67(1):151-153.

Fuster C.D., Neinstein L.S. Vaginal Chlamydia trachomatis prevalence in sexually abused prepubertal girls. *Pediatrics* 1987;79(2):235-238.

Gardner J.J. Comparison of the vaginal flora in sexually abused and nonabused girls. *J Pediatr* 1992;120(6):872-877.

Gellert G.A., Durfee M.J., Berkowitz C.D., et al. Situational and sociodemographic characteristics of children infected with human immunodeficiency virus from pediatric sexual abuse. *Pediatrics* 1993;91(1):39-44.

Groothuis J.R., Bischoff M.C., Jauregui L.E. Pharyngeal gonorrhea in young children. *Pediatr Infect Dis* 1983;2(2):99-101.

Gutman L.T., St Claire K., Herman-Giddens M.E., et al. Evaluation of sexually abused and nonabused young girls for intravaginal human papillomavirus infection. *Am J Dis Child* 1992;146(6):694-699.

Gutman L.T., St Claire K.K., Weedy C., et al. Human immunodeficiency virus transmission by child sexual abuse.[see comment]. *Am J Dis Child* 1991;145(2):137-141.

Hammerschlag M.R., Cummings M., Doraiswamy B., et al. Nonspecific vaginitis following sexual abuse in children. *Pediatrics* 1985;75(6):1028-1031.

Hammerschlag M.R., Doraiswamy B., Cox P., et al. Colonization of sexually abused children with genital mycoplasmas. *Sex Transm Dis* 1987;14(1):23-25.

Hammerschlag M.R., Gullans C.R. Infection due to penicillinase-producing *Neisseria gonorrhoeae* in a sexually abused girl. *Pediatr Infect Dis* 1986;5(5):603-604.

Handley J., Dinsmore W., Maw R., et al. Anogenital warts in prepubertal children; sexual abuse or not?[see comment]. *Int J STD AIDS* 1993;4(5):271-279.

Hanson L.M., Glasson M., McCrossin I., et al. Anogenital warts in childhood.[see comment]. *Child Abuse Negl* 1989;13(2):225-233.

Herman-Giddens M.E., Gutman L.T., Berson N.L. Association of coexisting vaginal infections and multiple abusers in female children with genital warts. *Sex Transm Dis* 1988;15(1):63-67.

Holmes K.K., Sparling F.P., Stamm W.E., et al. *Sexually Transmitted Diseases*. 2008.

Ingram D.L., Everett V.D., Lyna P.R., et al. Epidemiology of adult sexually transmitted disease agents in children being evaluated for sexual abuse. *Pediatr Infect Dis J* 1992;11(11):945-950.

Ingram D.L., Runyan D.K., Collins A.D., et al. Vaginal *Chlamydia trachomatis* infection in children with sexual contact. *Pediatr Infect Dis* 1984;3(2):97-99.

Ingram D.L., White S.T., Durfee M.F., et al. Sexual contact in children with gonorrhea. *Am J Dis Child* 1982;136(11):994-996.

Ingram D.L., White S.T., Lyna P., et al. *Ureaplasma urealyticum* and large colony mycoplasma colonization in female children and its relationship to sexual contact, age, and race. *Child Abuse Negl* 1992;16(2):265-272.

Ingram D.L., White S.T., Occhiuti A.R., et al. Childhood vaginal infections: association of *Chlamydia trachomatis* with sexual contact. *Pediatr Infect Dis* 1986;5(2):226-229.

Kawsar M., Anfield A., Walters E., et al. Prevalence of sexually transmitted infections and mental health needs of female child and adolescent survivors of rape and sexual assault attending a specialist clinic. *Sex Transm Dis* 2004;80(2):138-141.

Kelly P. Childhood gonorrhoea in Auckland. *N Z Med J* 2002;115 (1163):1-9.

Kelly P., Koh J. Sexually transmitted infections in alleged sexual abuse of children and adolescents. *J Paediatr Child Health* 2006;42(7):434-440.

Lindegren M.L., Hanson I.C., Hammett T.A., et al. Sexual abuse of children: intersection with the HIV epidemic. *Pediatrics* 1998;102(4):E46.

Meek J.M., Askari A., Belman A.B. Prepubertal gonorrhea. *J Urol* 1979;122(4):532-534.

Menick D.M., Ngoh F. [Seroprevalence of HIV infection in sexually abused children in Cameroon]. [French]. *Med Trop (Mars)* 2003;63(2):155-158.

Muram D., Speck P.M., Dockter M. Child sexual abuse examination: is there a need for routine screening for *N. gonorrhoeae*? *J Pediatr Adolesc Gynecol* 1996;9(2):79-80.

Potterat J.J., Markewich G.S., King R.D., et al. Child-to-child transmission of gonorrhea: report of asymptomatic genital infection in a boy. *Pediatrics* 1986;78(4):711-712.

Pou F.J., Ruiz E.A., Comas M.L., et al. [Sexual abuse. Experience in a child sexual abuse unit]. [Spanish]. *An Esp Pediatr* 2001;54(3):243-250.

Robinson A.J., Watkeys J.E., Ridgway G.L. Sexually transmitted organisms in sexually abused children. Arch Dis Child 1998;79(4):356-358.

Royal College of Paediatrics and Child Health (RCPCH). The Physical Signs of Child Sexual Abuse. 2008.

Shapiro R.A., Schubert C.J., Myers P.A. Vaginal discharge as an indicator of gonorrhoea and Chlamydia infection in girls under 12 years old. Pediatr Emerg Care 1993;9(6):341-345.

Shelton T.B., Jerkins G.R., Noe H.N. Condylomata acuminata in the pediatric patient. J Urol 1986;135(3):548-549.

Siegel R.M., Schubert C.J., Myers P.A., et al. The prevalence of sexually transmitted diseases in children and adolescents evaluated for sexual abuse in Cincinnati: rationale for limited STD testing in prepubertal girls. Pediatrics 1995;96(6):1090-1094.

Sinclair K.A., Woods C.R., Kirse D.J., et al. Anogenital and respiratory tract human papillomavirus infections among children: age, gender, and potential transmission through sexual abuse. Pediatrics 2005;116(4):815-825.

Smith McCune K.K., Horbach N., Dattel B.J. Incidence and clinical correlates of human papillomavirus disease in a pediatric population referred for evaluation of sexual abuse. J Pediatr Adolesc Gynecol 1993;6(1):20-24.

Steele A.M., de San Lazaro C. Transhymenal cultures for sexually transmissible organisms. Arch Dis Child 1994;71(5):423-427.

Stewart D., Peterson E.M., De La Maza L.M. Isolation of Ureaplasma urealyticum from alleged sexually abused children. Pediatr Infect Dis J 1986;5 s350.

Thomason J.L., Gelbart S.M. Trichomonas vaginalis. Obstet Gynecol 1989;74(3):536-541.

Unger E.R., Fajman N.N., Maloney E.M., et al. Anogenital human papillomavirus in sexually abused and nonabused children: A multicenter study. Pediatrics 2011;128(3):e658-e665.

Whaitiri S., Kelly P. Genital gonorrhoea in children: Determining the source and mode of infection. Archives of Disease in Childhood 2011;96(3):247-251.