

What's Old and What's New In Child Sexual Abuse: A Literature Review

Ann S. Botash, M.D.
Professor of Pediatrics
February 10, 2011

Historical References

- Cantwell HB. Vaginal inspection as it relates to child sexual abuse in girls under thirteen. *Child Abuse Negl.* 1983;7(2):171-6.
- Emans SJ, Woods ER, Flagg NT, Freeman A. Genital findings in sexually abused, symptomatic and asymptomatic, girls. *Pediatrics.* 1987 May;79(5):778-85.
- Heger A. Twenty years in the evaluation of the sexually abused child: Has medicine helped or hurt the child and family? *Child Abuse and Neglect.* 1996;20(10): 893-897.
- Hilton N, Williams J, Coulter K. Measurement of hymenal diameter in pediatric sexual abuse exams. *Child Abuse Negl.* 1988;12(4):607-8.
- Kerns DL, Ritter ML, Thomas RG. Concave hymenal variations in suspected child sexual abuse victims. *Pediatrics.* 1992 Aug;90(2 Pt 1):265-72.
- McCann J, Voris J, Simon M. Labial adhesions and posterior fourchette injuries in childhood sexual abuse. *Am J Dis Child.* 1988 Jun;142(6):659-63.
- Sgroi, S. Sexual molestation of children: The last frontier in child abuse. *Child Today.* 1975 May-June:18-21.
- Underhill RA, Dewhurst J. The doctor cannot always tell. Medical examination of the "intact" hymen. *Lancet.* 1978 Feb 18;1(8060):375-6.
- Woodling BA, Kossoris PD. Sexual misuse: Rape, molestation, and incest. *Pediatr Clin North Am.* 1981 May;28(2):481-99.

Posterior Hymenal Findings References

- Adams JA. Guidelines for medical care of children evaluated for suspected sexual abuse: An update for 2008. *Curr Opin Obstet Gynecol.* 2008 Oct;20(5):435-41.
- Adams JA, Botash AS, Kellogg N. Differences in hymenal morphology between adolescent girls with and without a history of consensual sexual intercourse. *Arch Pediatr Adolesc Med.* 2004 Mar;158(3):280-5.
- Anderst J, Kellogg N, Jung I. Reports of repetitive penile-genital penetration often have no definitive evidence of penetration. *Pediatrics.* 2009 Sep;124(3):e403-9. Epub 2009 Aug 3
- Berenson AB, Chacko MR, Wiemann CM, Mishaw CO, Friedrich WN, Grady JJ. A case-control study of anatomic changes resulting from sexual abuse. *Am J Obstet Gynecol.* 2000 Apr;182(4):820-31; discussion 831-4.
- Berkoff MC, Zolotor AJ, Makoroff KL, Thackeray JD, Shapiro RA, Runyan DK. Has this prepubertal girl been sexually abused? *JAMA.* 2008 Dec 17;300(23):2779-92.
- McCann J, Miyamoto S, Boyle C, Rogers K. Healing of hymenal injuries in prepubertal and adolescent girls: A descriptive study. *Pediatrics.* 2007 May;119(5):e1094-106. Epub 2007 Apr 9.

Diameter References

- Berenson AB, Chacko MR, Wiemann CM, Mishaw CO, Friedrich WN, Grady JJ. Use of hymenal measurements in the diagnosis of previous penetration. *Pediatrics.* 2002 Feb;109(2):228-35.
- Ingram DM, Everett VD, Ingram DL. The relationship between the transverse hymenal orifice diameter by the separation technique and other possible markers of sexual abuse. *Child Abuse Negl.* 2001 Aug;25(8):1109-20.

- Kellogg ND, Menard SW, Santos A. Genital anatomy in pregnant adolescents: "Normal" does not mean "nothing happened". *Pediatrics*. 2004 Jan;113(1 Pt 1):e67-9.
- Myhre AK, Berntzen K, Bratlid D. Genital anatomy in non-abused preschool girls. *Acta Paediatr*. 2003 Dec;92(12):1453-62.
- Pugno PA. Genital findings in prepubertal girls evaluated for sexual abuse: a different perspective on hymenal measurements. *Arch Fam Med*. 1999;8:403-406
- White ST, Ingram DL, Lyna PR. Vaginal introital diameter in the evaluation of sexual abuse. *Child Abuse Negl*. 1989;13(2):217-24.

Timing References

- Christian CW, Lavelle JM, De Jong AR, Loiselle J, Brenner L, Joffe M. Forensic evidence findings in prepubertal victims of sexual assault. *Pediatrics*. 2000 Jul;106(1 Pt 1):100-4.
- Young KL, Jones JG, Worthington T, Simpson P, Casey PH. Forensic laboratory evidence in sexually abused children and adolescents. *Arch Pediatr Adolesc Med*. 2006 Jun;160(6):585-8.
- Watkeys JM, Price LD, Upton PM, Maddocks A. The timing of medical examination following an allegation of sexual abuse: is this an emergency? *Arch Dis Child*. 2008;93 (10):851

Labial Fusion References

- Berkowitz CD, Elvik SL, Logan MK. Labial fusion in prepubescent girls: A marker for sexual abuse? *Am J Obstet Gynecol*. 1987 Jan;156(1):16-20.
- Gibbon KL, Bewley AP, Salisbury JA. Labial fusion in children: A presenting feature of genital lichen sclerosus? *Pediatr Dermatol*. 1999 Sep-Oct;16(5):388-91.
- Ekenze SO, Ezegwui HU, Adiri CO. Genital lesions complicating female genital cutting in infancy: A hospital-based study in south-east Nigeria. *Ann Trop Paediatr*. 2007 Dec;27(4):285-90.
- Mayoglou L, Dulabon L, Martin-Alguacil N, Pfaff D, Schober J J Success of treatment modalities for labial fusion: A retrospective evaluation of topical and surgical treatments. *Pediatr Adolesc Gynecol*. 2009 Aug;22(4):247-50.
- Van Eyk N, Allen L, Giesbrecht E, Jamieson MA, Kives S, Morris M, Ornstein M, Fleming N. Pediatric vulvovaginal disorders: A diagnostic approach and review of the literature. *J Obstet Gynaecol Can*. 2009 Sep;31(9):850-62.

Photocolposcopy References

- MacLeod KJ, Marcin JP, Boyle C, Miyamoto S, Dimand RJ, Rogers KK. Using telemedicine to improve the care delivered to sexually abused children in rural, underserved hospitals. *Pediatrics*. 2009 Jan;123(1):223-8.
- Mears CJ, Heflin AH, Finkel MA, Deblinger E, Steer RA. Adolescents' responses to sexual abuse evaluation including the use of video colposcopy. *J Adolesc Health*. 2003 Jul;33(1): 18-24.
- Kellogg ND, Lamb JL, Lukefahr JL. The use of telemedicine in child sexual abuse evaluations. *Child Abuse Negl*. 2000 Dec;24(12):1601-12.
- Hobbs C, Wynne J. Use of the colposcope in examination for sexual abuse. *Arch Dis Child*. 1996 Dec;75(6):539-42.
- Soderstrom RM. Colposcopic documentation. An objective approach to assessing sexual abuse of girls. *J Reprod Med*. 1994 Jan;39(1):6-8.
- Muram D, Arheart KL, Jennings SG. Diagnostic accuracy of colposcopic photographs in child sexual abuse evaluations. *J Pediatr Adolesc Gynecol*. 1999 May;12(2):58-61.