

# Chapter 107

## Neonatal, Pediatric, and Adolescent Dermatology

Mary Wu Chang

### REFERENCES

1. Scullard P, Peacock C, Davies P: Googling children's health: Reliability of medical advice on the internet. *Arch Dis Child* 2010 Apr 6; [e-pub ahead of print]
2. Chiou YB et al: Stratum corneum maturation. A review of neonatal skin function. *Skin Pharmacol Physiol* 17:57, 2004 [PMID: 14976382]
3. Stamatias GN et al: Infant skin microstructure assessed in vivo differs from adult skin in organization and at the cellular level. *Pediatr Dermatol* 27:125-131, 2010
4. Rutter N: The immature skin. *Eur J Pediatr* 155:S18, 1996
5. Lane AT: Development and care of the premature infant's skin. *Pediatr Dermatol* 4:1, 1987 [PMID: 10312156]
6. Nopper AJ et al: Topical ointment therapy benefits premature infants. *J Pediatr* 128:660, 1996 [PMID: 8627439]
7. Campbell JR et al: Systemic candidiasis in extremely low birth weight infants receiving topical petrolatum ointment for skin care: A case-control study. *Pediatrics* 105:1041, 2000 [PMID: 10790460]
8. Weems et al: A cluster of cases of candidemia in a neonatal intensive care unit (NICU) associated with the use of topical ointment therapy in high risk very low birthweight infants. *Infect Control Hosp Epidemiol* 18:36 Abstract S33, 1997
9. Darmstadt GL et al: Effect of skin barrier therapy on neonatal mortality rates in preterm infants in Bangladesh: A Randomized, Controlled, Clinical Trial. *Pediatrics* 121:522-529, 2008
10. Cetta F et al: Newborn chemical exposure from over-the-counter skin care products. *Clin Pediatr* 30:286, 1991 [PMID: 2044337]
11. Malloy-McDonald MB, Lambert GH: Neonatal skin care. *Compr Ther* 19:286, 1993 [PMID: 8293660]
12. Liang MG, Frieden IJ: Perineal and lip ulcerations as the presenting manifestation of hemangioma of infancy. *Pediatrics* 99:256, 1997 [PMID: 9024458]
13. Poole SR: The infant with acute, unexplained, excessive crying. *Pediatrics* 88:450, 1991 [PMID: 1881722]
14. Press S et al: Clitoris tourniquet syndrome. *Pediatrics* 66:781, 1980 [PMID: 7432884]
15. Chang MW et al: Atypical erythema toxicum neonatorum of delayed onset in a term infant. *Pediatr Dermatol* 16:137, 1999 [PMID: 10337679]
16. Van Praag MC et al: Diagnosis and treatment of pustular disorders in the neonate. *Pediatr Dermatol* 14:131, 1997
17. Niamba P et al: Is common neonatal cephalic pustulosis (neonatal acne) triggered by Malassezia sympodialis? *Arch Dermatol* 134:995, 1998 [PMID: 9722730]
18. Lenane P et al: Congenital alopecia areata. *J Am Acad Dermatol* 52:S8, 2005
19. Shaw WC: Folklore surrounding facial deformity and the origins of facial prejudice. *Br J Plast Surg* 34:237, 1981 [PMID: 7272557]
20. Jacobs AH, Walton RG: The incidence of birthmarks in the neonate. *Pediatrics* 58:218, 1976 [PMID: 951136]
21. Alper JC, Holmes LB: The incidence and significance of birthmarks in a cohort of 4,641 newborns. *Pediatr Dermatol* 1:58, 1983 [PMID: 6679890]
22. Amitai DB et al: Cutis marmorata telangiectatica congenita: Clinical findings in 85 patients. *Pediatr Dermatol* 17:100, 2000 [PMID: 10792796]
23. Burden AD, Krafchik BR: Subcutaneous fat necrosis of the newborn: A review of 11 cases. *Pediatr Dermatol* 16:384, 1999 [PMID: 10571840]
24. Frieden IJ: Aplasia cutis congenita: A clinical review and proposal for classification. *J Am Acad Dermatol* 14:646, 1986 [PMID: 3514708]
25. Drolet B et al: "Membranous aplasia cutis" with hair collars: Congenital absence of skin or neuroectodermal defect? *Arch Dermatol* 131:1427, 1995 [PMID: 7492133]

26. Prizant TL et al: Spontaneous atrophic patches in extremely premature infants. Anetoderma of prematurity. *Arch Dermatol* **132**:671, 1996 [PMID: 8651717]
27. Goujon E et al: Anetoderma of Prematurity: An iatrogenic consequence of neonatal intensive care. *Arch Dermatol* **146**:565-566, 2010
28. Kimberlin DW et al: Natural history of neonatal herpes simplex virus infections in the acyclovir era. *Pediatrics* **108**:223, 2001 [PMID: 11483781]
29. Leppig KA et al: Predictive value of minor anomalies: I. Association with major malformations. *J Pediatr* **110**:531, 1987 [PMID: 3559800]
30. Marden P: Congenital anomalies in the newborn infant, including minor variations. *J Pediatr* **64**:357, 1964 [PMID: 14130709]
31. Drolet B: Birthmarks to worry about: Cutaneous markers of dysraphism. *Dermatol Clin* **16**:447, 1998 [PMID: 9704204]
32. Guggisberg D et al: Skin markers of occult spinal dysraphism in children: A review of 54 cases. *Arch Dermatol* **140**:1109, 2004 [PMID: 15381552]
33. McCann J et al: Genital findings in prepubertal girls selected for nonabuse: A descriptive study. *Pediatrics* **86**:428, 1990 [PMID: 2388791]
34. Siegfried E: The spectrum of anogenital diseases in children. *Curr Probl Dermatol* **9**:33, 1997
35. Kayashima K et al: Infantile perianal pyramidal protrusion. *Arch Dermatol* **132**:1481, 1996 [PMID: 8961878]
36. Khachemoune A et al: Infantile perineal protrusion. *J Am Acad Dermatol* **54**:1046, 2006 [PMID: 16713460]
37. Frieden IJ et al: Suture ligation of supernumerary digits and "tags": An outmoded practice? *Arch Pediatr Adolesc Med* **149**:1284, 1995 [PMID: 7581768]
38. Paller AS et al: Nasal midline masses in infants and children: Dermoids, encephaloceles, and gliomas. *Arch Dermatol* **127**:362, 1991 [PMID: 1998367]
39. Wagner A: Lumps and bumps in childhood. *Curr Probl Dermatol* **8**:137, 1996
40. EMLA Product Insert: <http://www1.astrazeneca-us.com/pi/EMLA.pdf>, accessed Aug 19, 2010
41. Gradin M et al: Pain reduction at venipuncture in newborns: Oral glucose compared with local anesthetic cream. *Pediatrics* **110**:1053, 2002 [PMID: 12456899]
42. Mader TJ et al: Reducing the pain of local anesthetic infiltration: Warming and buffering have a synergistic effect. *Ann Emerg Med* **23**:550, 1994 [PMID: 8135432]
43. Proudfoot J: Analgesia, anesthesia, and conscious sedation. *Emerg Med Clin North Am* **13**:357, 1995 [PMID: 7737025]
44. Cunningham BB et al: General anesthesia for pediatric dermatologic procedures: Risks and complications. *Arch Dermatol* **141**:573, 2005 [PMID: 15897378]
45. Ward DB et al: Characterization of diaper dermatitis in the United States. *Arch Pediatr Adolesc Med* **154**:943, 2000 [PMID: 10980800]
46. Wolf R et al: Diaper dermatitis. *Clin Dermatol* **18**:657, 2000 [PMID: 11173200]
47. Weston WL et al: Diaper dermatitis: Current concepts. *Pediatrics* **66**:532, 1980 [PMID: 7432838]
48. Chang MW et al: Infantile granular parakeratosis: Recognition of two clinical patterns. *J Am Acad Dermatol* **50**:S93, 2004
49. De Zeeuw R et al: Granuloma gluteale infantum: A case report. *Pediatr Dermatol* **17**:141, 2000
50. Boiko S: Making rash decisions in the diaper area. *Pediatr Ann* **29**:50, 2000 [PMID: 10941767]
51. Blair S, Bowes G: Compliance issues in adolescence: Practical strategies. *Aust Fam Physician* **24**:2037, 1995 [PMID: 8579538]
52. Cunliffe WJ: Acne and unemployment. *Br J Dermatol* **115**:386, 1986 [PMID: 2944538]
53. Wysowski DK et al: Depression and suicide in patients treated with isotretinoin. *N Engl J Med* **344**:460, 2001 [PMID: 11221610]
54. Wysowski DK et al: An analysis of reports of depression and suicide in patients treated with isotretinoin. *J Am Acad Dermatol* **45**:515, 2001 [PMID: 11568740]
55. Kontaxakis VP et al: Isotretinoin and psychopathology: A review. *Ann Gen Psychiatry* **8**:2-9, 2009
56. Chia CY et al: Isotretinoin therapy and mood changes in adolescents with moderate to severe acne: A cohort study. *Arch Dermatol* **141**:557, 2005 [PMID: 15897376]
57. Crockett SD et al: Isotretinoin use and the risk of inflammatory bowel disease: A case-control study. *Am J Gastroenterol* 2010 Mar 30; [e-pub ahead of print]
58. Shale M et al: Isotretinoin and intestinal inflammation: What gastroenterologists need to know. *Gut* **58**:737, 2009

59. Feldman SR et al: Ultraviolet exposure is a reinforcing stimulus in frequent indoor tanners. *J Am Acad Dermatol* **51**:45-51, 2004
60. Kaur M et al: Induction of withdrawal-like symptoms in a small randomized, controlled trial of opioid blockade in frequent tanners. *J Am Acad Dermatol* **54**:709-117, 2006
61. Mosher CE, Danoff-Burg S: Addiction to indoor tanning: Relation to anxiety, depression, and substance use. *Arch Dermatol* **146**(4):412-417, 2010
62. Roberts R et al: Pediatric drug labeling: Improving the safety and efficacy of pediatric therapies. *JAMA* **290**:905-911, 2003
63. Allen A et al: Significant absorption of topical tacrolimus in 3 patients with Netherton syndrome. *Arch Dermatol* **137**:747-750, 2001
64. Halverstam CP, Vachharajani A, Mallory SB: Cushing syndrome from percutaneous absorption of 1% hydrocortisone ointment in Netherton syndrome. *Pediatr Dermatol* **24**:42-45, 2007
65. Eldadah M, Fitzgerald M: Methemoglobinemia due to skin application of benzocaine. *Clin Pediatr* **32**:687, 1993 [PMID: 8299302]
66. Singalavanija S, Frieden IJ: Diaper dermatitis. *Pediatr Rev* **16**:142, 1995 [PMID: 7731909]
67. American Academy of Pediatrics Committee on Drugs: Clioquinol (iodochlorhydroxyquin, Vioform) and iodoquinol (diiodohydroxyquin): Blindness and neuropathy. *Pediatrics* **86**:797, 1990
68. Davies JE et al: Lindane poisonings. *Arch Dermatol* **119**:142, 1983 [PMID: 6186202]
69. Friedman SJ: Lindane neurotoxic reaction in non-bullous congenital ichthyosiform erythroderma. *Arch Dermatol* **123**:1056, 1987 [PMID: 2443081]
70. Brown M, Hebert AA: Insect repellents: An overview. *J Am Acad Dermatol* **36**:243, 1997 [PMID: 9039177]
71. Barakat M et al: Hypothyroidism secondary to topical iodine treatment in infants with spina bifida. *Acta Paediatr* **83**:741, 1994 [PMID: 7949805]
72. Aihara M et al: Prevention and control of nosocomial infection caused by methicillin-resistant *Staphylococcus aureus* in a premature infant ward: Preventive effect of a povidone-iodine wipe of neonatal skin. *Postgrad Med J* **69**:S117, 1993
73. Germann R et al: Lebensbedrohliche salicylatintoxikation durch perkutane resorption bei einer schweren ichthyosis vulgaris. *Hautarzt* **47**:624, 1996 [PMID: 8964705]
74. Yercen N et al: Fatal hypernatremia in an infant due to salting of the skin. *Am J Dis Child* **147**:716, 1993 [PMID: 8322735]
75. Gonzalez del Rey J et al: Lidocaine overdose: Another preventable case? *Pediatr Emerg Care* **10**:344, 1994
76. Yin HS et al: Parents' medication administration errors: Role of dosing instruments and health literacy. *Arch Pediatr Adolesc Med* **164**:181, 2010
77. American Academy of Pediatrics: Antimicrobial agents and related therapy. In: *2009 Red Book: Report of the Committee on Infectious Diseases*, 28th edition, edited by L Pickering. Elk Grove Village, IL, American Academy of Pediatrics, 2009, 737]
78. *The Harriet Lane Handbook*, 19th edition, edited by Kristen Arcara and Megan Tachudy. Mosby, Johns Hopkins Hospital, 2012
79. Brook CG et al: Growth and growth hormone secretion. *J Endocrinol* **119**:179, 1988 [PMID: 30,58853]
80. Fine RN: Corticosteroids and growth. *Kidney Int Suppl* **43**:S59, 1993
81. Lucky AW: Principles of the use of glucocorticosteroids in the growing child. *Pediatr Dermatol* **1**:226, 1984 [PMID: 6387667]
82. American Academy of Pediatrics: Immunization in special clinical circumstances. In: *2000 Red Book: Report of the Committee on Infectious Diseases*, 25th edition, edited by L Pickering. Elk Grove Village, IL, American Academy of Pediatrics, 2000, p. 54
83. Foster KW et al: A randomized controlled trial assessing the efficacy of fluconazole in the treatment of pediatric tinea capitis. *J Am Acad Dermatol* **53**:798, 2005 [PMID: 16243128]
84. Duarte AM et al: Life-threatening dermatoses in pediatric dermatology. *Adv Dermatol* **10**:329, 1995 [PMID: 7794677]

