

Chapter 22

Seborrheic Dermatitis

Chris D. Collins & Chad Hivnor

REFERENCES

1. Fox BJ et al: Papulosquamous diseases: A review. *J Am Acad Dermatol* **12**:597, 1985
2. Johnson BA et al: Treatment of seborrheic dermatitis. *Am Fam Physician* **61**:2703-2714, 2000
3. Szepietowski JC et al: Quality of life in patients suffering from seborrheic dermatitis: Influence of age, gender, and education level. *Expert Rev Dermatol* **3**(1):43-47, 2008
4. Groisser D et al: Association of *Pityrosporum orbiculare* with seborrheic dermatitis in patients with acquired immunodeficiency syndrome (AIDS). *J Am Acad Dermatol* **20**:770-773, 1989
5. Fischer M et al: Skin function and skin disorders in Parkinson's disease. *J Neural Transm* **108**:205-213, 2001
6. Midgley G: The lipophilic yeasts: State of the art and prospects. *Med Mycol* **38**(1):9-16, 2000
7. Tager A et al: Seborrheic dermatitis in acute cardiac disease. *Br J Dermatol* **76**:367-369, 1964
8. McLaurin CI: Annular facial dermatoses in blacks. *Cutis* **32**:369-370, 1983
9. Barba A et al: Skin lesions in chronic alcoholic pancreatitis. *Dermatologica* **164**:322-326, 1982
10. Johnson M et al: *Prevalence of Dermatological Diseases Among Persons 1-74 Years of Age*. Washington DC, US Department of Health and Human Services. Publication No. (PHS) 79:1660, 1977
11. Unna PG: Das seborrhoische Ekzem. *Monatsschr Prakt Dermatol* **6**:827-846, 1897
12. Shuster S: The aetiology of dandruff and the mode of action of therapeutic agents. *Br J Dermatol* **111**:235-242, 1984
13. Low RC et al: Discussion on the etiology of seborrhoea and seborrhoic dermatitis. *Br Med J* **2**:752-757, 1922
14. Jacobs PH: Seborrheic dermatitis: Causes and management. *Cutis* **41**:182-186, 1988
15. DeAngelis YM et al: Three etiologic facets of dandruff and seborrheic dermatitis: *Malassezia* fungi, sebaceous lipids, and individual sensitivity. *J Invest Dermatol* **10**:295-297, 2007
16. Mayer-da-Silva A et al: Effects of azeleic acid on sebaceous gland, sebum excretion rate and keratinization pattern in human skin. *Acta Derm Venereol Suppl* **143**:20-30, 1989
17. Geissler SE et al: Very low dose isotretinoin is effective in controlling seborrhea. *J Dtsch Dermatol Ges* **1**(12):952-958, 2003
18. Parry ME et al: Seborrhoic dermatitis is not caused by an altered immune response to *Malassezia* yeast. *Br J Dermatol* **139**(2):254-263, 1998
19. Bergbrant IM et al: Cell-mediated immunity to *Malassezia furfur* in patients with seborrhoic dermatitis and pityriasis versicolor. *Clin Exp Dermatol* **24**(5):402-406, 1999
20. Ishibashi Y: Role of *Malassezia* colonization in cutaneous immune response. (Japanese) *Nippon. Ishinkin Gakkai Zasshi*. **50**(3):147-149, 2009
21. Belew PW et al: Activation of the alternative pathway of complement by *Malassezia ovalis* (*Pityrosporum ovale*). *Mycopathologia* **70**(3):187-191, 1980
22. Neuber K et al: Effects of *Pityrosporum ovale* on proliferation, immunoglobulin synthesis and cytokine production of peripheral blood mononuclear cells from patients with seborrheic dermatitis. *Arch Dermatol Res* **288**:532-536, 1996
23. Hale EK et al: Relation between skin temperature and location of facial lesions in seborrheic dermatitis. *Arch Dermatol* **136**:559, 2000
24. Tegner E: Seborrheic dermatitis of the face induced by PUVA treatment. *Acta Derm Venereol Suppl* **63**:335, 1993
25. Leyden JJ et al: Role of microorganisms in dandruff. *Arch Dermatol* **112**:333, 1976
26. Tajima M et al: Molecular analysis of *Malassezia* microflora in seborrheic dermatitis patients: Comparison with other diseases and healthy subjects. *J Invest Dermatol* **128**(2):345-351, 2008
27. Shuster S et al: Treatment of seborrheic dermatitis with topical ketoconazole. *Lancet* **2**:1271-1272, 1984
28. Cowley NC et al: The permissive effect of sebum in seborrheic dermatitis: An explanation of the rash in neurologic disorders. *Br J Dermatol* **122**:71-76, 1990

29. Binder RL et al: Seborrheic dermatitis in neuroleptic induced parkinsonism. *Arch Dermatol* **119**:473-475, 1983
30. Maietta G et al: Patients with mood depression have a higher prevalence of seborrheic dermatitis. *Acta Derm Venereol* **70**:432-434, 1990
31. Higgins EM et al: Skin disease in Gulf war veterans. *QJM* **95**(10):671-676, 2002
32. Van Erp PE et al: Calmodulin levels in psoriasis and other skin disorders. *Arch Dermatol Res* **279**(3):151-153, 1987
33. AbouMourad N et al: Dermopathic changes in hypozincemia. *Arch Dermatol* **115**(8):956-958, 1979
34. Tolleson A et al: Essential fatty acids in infantile seborrheic dermatitis. *J Am Acad Dermatol* **28**:957, 1993
35. Birnbaum RY et al: Seborrhea-like dermatitis with psoriasiform elements caused by a mutation in ZNF750, encoding a putative C2H2 zinc finger protein. *Nat Genet* **38**(7):749-751, 2006
36. Döring HF: Treatment of seborrheic dermatitis. A clinical trial, and etiological approach. *Dermatologica* **169**(Suppl. 1):125-133, 1984
37. Al-Dhalimi MA: Neonatal and infantile erythroderma: A clinical and follow-up study of 42 cases. *J Dermatol* **34**(5):302-307, 2007
38. Elish D et al: Infantile seborrheic dermatitis. *Cutis* **77**(5):297-300, 2006
39. Leiner C: Über Erythrodermia desquamativa, eine eigenartige universelle Dermatose der Brustkinder. *Arch Dermatol Syphilol* **89**:65, 1908
40. Jacobs JC et al: Fatal familial Leiner's disease: A deficiency of the opsonic activity of serum complement. *Pediatrics* **49**(2):225-232, 1972
41. Alibert JL: La porriginie amiantacea, Paris, France. *Monographie des Dermatoses* **1**:293-295, 1832
42. Abdel-Hamid IA et al: Pityriasis amiantacea: A clinical and etiopathologic study of 85 patients. *Int J Dermatol* **42**(4):260-264, 2003
43. Hussain W et al: Pityriasis amiantacea as the sole manifestation of Darier's disease. *Clin Exp Dermatol* **34**(4):554-556, 2009
44. Faergemann J: Severe seborrheic dermatitis. *J Int Postgrad Med* **2**:18-20, 1990
45. Soeprono FF et al: Seborrheic-like dermatitis of acquired immunodeficiency syndrome: A clinicopathologic study. *J Am Acad Dermatol* **14**:242, 1986
46. Nnoruka EN et al: Correlation of mucocutaneous manifestations of HIV/AIDS infection with CD4 counts and disease progression. *Int J Dermatol* **46**(Suppl. 2):14-18, 2007
47. Weedon D: *Skin Pathology: Seborrheic Dermatitis*, 2nd edition. Philadelphia, USA, Churchill Livingstone, Elsevier Science Limited, 2002, pp. 107-109.
48. Arora V et al: Management of infantile seborrheic dermatitis. *Am Fam Physician* **75**(6):807, 2007
49. Janniger CK: Infantile seborrheic dermatitis: An approach to cradle cap. *Cutis* **51**(4):233-235, 1993
50. Wannanukul S et al: *Malassezia furfur* in infantile seborrheic dermatitis. *Asian Pac J Allergy Immunol* **23**(2-3):101-105, 2005
51. Wannanukul S et al: Comparative study of 2% ketoconazole cream and 1% hydrocortisone cream in the treatment of infantile seborrheic dermatitis. *J Med Assoc Thai* **87**(Suppl. 2):S68-S71, 2004
52. Arndt KA et al: *Manual of Dermatologic Therapeutics with Essentials of Diagnosis*, 5th edition. Boston, Little Brown & Co., 1995, p. 166
53. Shin H et al: Clinical efficacies of topical agents for the treatment of seborrheic dermatitis of the scalp: A comparative study. *J Dermatol* **36**(3):131-137, 2009
54. Peter RU et al: Successful treatment and prophylaxis of scalp seborrheic dermatitis and dandruff with 2% ketoconazole shampoo. *Br J Dermatol* **132**:441-445, 1995
55. Schwartz JR et al: Does tachyphylaxis occur in long-term management of scalp seborrheic dermatitis with pyrithione zinc-based treatments? *Int J Dermatol* **48**(1):79-85, 2009
56. Nowicki R: Modern management of dandruff. *Pol Merk Lekarski* **20**(115):121-124, 2006
57. Young AW Jr: Seborrhea in the geriatric patient: Incidence, implication, management. *Geriatrics* **24**(3):144-150, 1969
58. Bikowski J: Facial seborrheic dermatitis: A report on current status and therapeutic horizons. *J Drugs Dermatol* **8**(2):125-133, 2009
59. Firooz A et al: Pimecrolimus cream, 1%, vs. hydrocortisone acetate cream, 1%, in the treatment of facial seborrheic dermatitis. *Arch Dermatol* **142**(8):1066-1067, 2006
60. Tatlican S et al: Experience with repetitive use of pimecrolimus: Exploring the effective and safe use in the treatment of relapsing seborrheic dermatitis. *J Dermatolog Treat* **1**:1-3, 2009

61. Cook BA et al: Role of topical calcineurin inhibitors in the treatment of seborrheic dermatitis: A review of pathophysiology, safety, and efficacy. *Am J Clin Dermatol* **10**(2):103-118, 2009
62. Koc E et al: Topical pimecrolimus 1% cream and topical ketoconazole 2% cream in the treatment of seborrheic dermatitis. *J Dermatolog Treat* **20**(1):4-9, 2009
63. Faergemann J et al: A new ketoconazole topical gel formulation in seborrhoeic dermatitis: An updated review of the mechanism. *Expert Opin Pharmacother* **8**(9):1365-1371, 2007
64. Ratnavel RC et al: Clinical efficacies of shampoos with ciclopirox olamine (1.5%), ketoconazole (2.0%) in treatment of seborrhoeic dermatitis. *J Dermatolog Treat* **18**(2):88-96, 2007
65. Paghдал KV et al: Topical tar: Back to the future. *J Am Acad Dermatol* **61**(2):294-302, 2009
66. Jackson WB: Blepharitis: Current strategies for diagnosis and management. *Can J Ophthalmol* **43**(2):170-179, 2008
67. Gupta AK et al: Etiology and management of seborrheic dermatitis. *Dermatology* **208**(2):89-93, 2004
68. Faergemann J: Management of seborrheic dermatitis and pityriasis versicolor. *Am J Clin Dermatol* **1**(2):75-80, 2000
69. Gupta AK et al: Role of antifungal agents in the treatment of seborrheic dermatitis. *Am J Clin Dermatol* **5**(6):417-422, 2004
70. Vena GA et al: Oral terbinafine in the treatment of multi-site seborrheic dermatitis. *Int J Immunopathol Pharmacol* **18**(4):745-753, 2005
71. Sparsa A et al: Lithium. *Ann Dermatol Venereol* **131**(3):255-261, 2004
72. Cicek D et al. Pimecrolimus 1% cream, methylprednisolone aceponate 0.1%, and metronidazole 0.75% gel in treatment of seborrhoeic dermatitis. *J Dermatolog Treat* **20**(6):344-349, 2009
73. Orfanos CE et al: Oral retinoids in treatment of seborrhea, acne. *Dermatology* **196**:140-147, 1998
74. Wikler JR et al: The effect of UV-light on pityrosporum yeasts: Ultrastructural changes and inhibition of growth. *Acta Derm Venereol* **70**:69-71, 1990

