

## SWEET SENDROMU (AKUT FEBRİL NÖTROFİLİK DERMATOZ)

Ali BOZDAĞ<sup>1</sup>  
Serkan YAZICI<sup>2</sup>

### Genel Bilgiler

Akut Febril Nötrofilik Dermatoz olarak da bilinen Sweet Sendromu ilk olarak 1964 yılında Robert Douglas Sweet tarafından tanımlanan nadir bir Nötrofilik Dermatoz tablosudur (1). Nötrofilik Dermatozlar, dermal nötrofil infiltrasyonu ile karakterize bir grup inflamatuvar hastalıktır. Klinik olarak ateş ve lökositozun eşlik ettiği asimetrik yerleşimli ani başlayan ağrılı, eritemli, ödemli papül, plak veya nodüller ile karakterizedir ve histopatolojide üst dermiste vaskülit bulgularının olmadığı yoğun nötrofil infiltrasyonu patognomoniktir (2). Klinik bulguların sistemik kortikosteroid tedavisine dramatik yanıtı karakteristiktir. Etyolojik olarak klasik, malignite ilişkili ve ilaç ilişkili 3 tipi tanımlanmıştır.

### Klasik Sweet Sendromu

İdyopatik Sweet Sendromu olarak da adlandırılır ve Sweet Sendromu vakalarının çoğu bu gruptadır. Sıklıkla Üst Solunum Yolu (Streptokok) veya Gastrointestinal Sistem enfeksiyonları (Salmonella, Yersinya), İnflamatuvar Barsak Hastalıkları ve gebelik ile ilişkilendirilmiştir. Enfeksiyon ilişkili Sweet Sendromu genellikle enfeksiyondan 1-3 hafta sonra ortaya çıkar. Ayrıca İnsan İmmün

<sup>1</sup> Dr., Uludağ Üniversitesi Tıp Fakültesi, Deri ve Zührevi Hastalıkları Anabilim Dalı, aliibozdag@gmail.com

<sup>2</sup> Doç. Dr., Uludağ Üniversitesi Tıp Fakültesi, Deri ve Zührevi Hastalıkları Anabilim Dalı, serkanyazici@uludag.edu.tr

- C) Malignite tanısından önce, eş zamanlı veya sonra ortaya çıkabilir
- D) İleri yaş başlangıçlı olgularda yaş ve cinsiyet uyumlu malignite taramaları önemlidir.
- E) Tedavi yanıtı mükemmeldir ve olguların takibi gereksizdir.

**Doğru Cevap: E**

## Kaynaklar

- 1- Sweet RD. An acute febrile neutrophilic dermatosis. *Br J Dermatol* 1964;76:349-356. doi: 10.1111/j.1365-2133.1964.tb14541.x.
- 2- Cohen PR. Sweet's syndrome-a comprehensive review of an acute febrile neutrophilic dermatosis. *Orphanet J Rare Dis* 2007;2:34. doi: 10.1186/1750-1172-2-34
- 3- Ytting H, Vind I, Bang D, et al. Sweet's syndrome--an extraintestinal manifestation in inflammatory bowel disease. *Digestion* 2005; 72:195-200. doi: 10.1159/000088466. Epub 2005 Sep 21.
- 4- Satra K, Zalka A, Cohen PR, et al. Sweet's syndrome and pregnancy. *J Am Acad Dermatol* 1994; 30:297-300. doi: 10.1016/s0190-9622(08)81068-7.
- 5- Lallas A, Tzellos TG, Papageorgiou M, et al. Sweet's syndrome associated with upper respiratory tract streptococcal infection: "wait-and-see" strategy or anecdotal use of corticosteroids? *Hippokratia* 2011; 15:283.
- 6- Gray PE, Bock V, Ziegler DS, et al. Neonatal Sweet syndrome: a potential marker of serious systemic illness. *Pediatrics* 2012; 129:1353-1359. doi: 10.1542/peds.2011-1854.
- 7- Cohen PR, Kurzrock R. Sweet's syndrome and cancer. *Clin Dermatol* 1993;11:149-157. doi: 10.1016/0738-081x(93)90112-p.
- 8- Paydas S. Sweet's syndrome: a revisit for hematologists and oncologists. *Crit Rev Oncol/Hematol* 2013;86:85-95. doi: 10.1016/j.critrevonc.2012.09.005.
- 9- Cohen PR, Talpaz M, Kurzrock R. Malignancy-associated Sweet's syndrome: review of the world literature. *J Clin Oncol* 1988;6:1887-1897. doi: 10.1200/JCO.1988.6.12.1887.
- 10- Cohen PR, Kurzrock R. Sweet's syndrome revisited: a review of disease concepts. *Int J Dermatol* 2003;42:761-778. doi: 10.1046/j.1365-4362.2003.01891.x.
- 11- Hussein K, Nanda A, Al-Sabah H, et al. Sweet's syndrome (acute febrile neutrophilic dermatosis) associated with adenocarcinoma of prostate and transitional cell carcinoma of urinary bladder. *J Eur Acad Dermatol Venereol* 2005;19:597-599.
- 12- White JM, Mufti GJ, Salisbury JR, et al. Cutaneous manifestations of granulocyte colony stimulating factor. *Clin Exp Dermatol* 2006;31:206.
- 13- Rochet NM, Chavan RN, Cappel MA, et al. Sweet syndrome: clinical presentation, associations, and response to treatment in 77 patients. *J Am Acad Dermatol* 2013;69:557.
- 14- Halpern J, Salim A. Pediatric sweet syndrome: case report and literature review. *Pediatr Dermatol* 2009;26:452.
- 15- Giasuddin AS, El-Orfi AH, Ziu MM, et al. Sweet's syndrome: is the pathogenesis mediated by helper T cell type 1 cytokines? *J Am Acad Dermatol* 1998;39:940.
- 16- Meyer V, Schneider SW, Bonsmann G, et al. Experimentally confirmed induction of Sweet's syndrome by phototesting. *Acta Dermato-Venereol* 2011;91:720-721.
- 17- Villarreal-Villarreal CD, Ocampo-Candiani J, VillarrealMartínez A. Sweet Syndrome: A review and update. *Actas Dermosifiliogr* 2016;107:369-378.

- 18- Kakaletsis N, Kaiafa G, Savopoulos C, et al. Initially lymphocytic Sweet's syndrome in male patients with myelodysplasia: a distinguished clinicopathological entity? Case report and systematic review of the literature. *Acta Haematol.* 2014;132:220-205.
- 19- Moschella SL, Davis M. 2008. Neutrophilic dermatoses. Bologna JL, Jorizzo J L, Rapini RP . *Dermatology.* Vol 1, p.379-383, İstanbul: Nobel Tıp Kitabevi
- 20- Cohen PR, Almeida L, Kurzrock R: Acute febrile neutrophilic dermatosis. *Am Fam Physician* 1989;39:199-204.
- 21- Halpern J, Salim A. Pediatric sweet syndrome: case report and literature review. *Pediatr Dermatol* 2009;26:452.
- 22- Shinojima Y, Toma Y, Terui T. Sweet syndrome associated with intrahepatic cholangiocarcinoma producing granulocyte colony-stimulating factor. *Br J Dermatol* 2006;155:1103.
- 23- Concheiro J, Leon A, Pardavila R, et al. Neutrophilic dermatosis of the hands in rheumatoid arthritis. *Acta Dermo-Sifiliogr* 2010;101:280-281.
- 24- Kroshinsky D, Alloo A, Rothschild B, et al. Necrotizing Sweet syndrome: a new variant of neutrophilic dermatosis mimicking necrotizing fasciitis. *J Am Acad Dermatol* 2012;67:945-954.
- 25- Prat L, Bouaziz JD, Wallach D, Vignon-Pennamen MD, Bagot M. Neutrophilic dermatoses as systemic diseases. *Clin Dermatol.* 2014;32:376-388.
- 26- Von den Driesch P. Sweet's syndrome (acute febrile neutrophilic dermatosis). *J Am Acad Dermatol* 1994;31:535.
- 27- Nofal A, Abdelmaksoud A, Amer H, et al. Sweet's syndrome: diagnostic criteria revisited. *J Dtsch Dermatol Ges* 2017;15:1081-1088.
- 28- Cohen PR, Kurzrock R. Sweet's syndrome: a review of current treatment options. *Am J Clin Dermatol* 2002;3:117.
- 29- Bourke JF, Keohane S, Long CC, et al: Sweet's syndrome and malignancy in the U.K. *Br J Dermatol* 1997;137:609-613.
- 30- Brodtkin RH, Schwartz RA. Sweet's syndrome with myelofibrosis and leukemia: partial response to interferon. *Dermatology* 1995;190:160-163.
- 31- Fain O, Mathieu E, Feton N, et al. Intestinal involvement in Sweet's syndrome. *J Am Acad Dermatol* 1996;35:989-990.
- 32- Suehisa S, Tagami H. Treatment of acute febrile neutrophilic dermatosis (Sweet's syndrome) with colchicine. *Br J Dermatol* 1981;105:483.
- 33- Suehisa S, Tagami H, Inoue F, et al. Colchicine in the treatment of acute febrile neutrophilic dermatosis (Sweet's syndrome). *Br J Dermatol* 1983;180:99-101.
- 34- Kato T, Kunikata N, Taira H, et al. Akut febrile neutrophilic dermatosis (Sweet's syndrome) with nodular episcleritis and polyneuropathy. *Int J Dermatol* 2002;41:107-109.
- 35- Honna K, Saga K, Onodera H, et al. Potassium iodide inhibits neutrophil chemotaxis. *Acta Derm Venereol* 1990;70:2479.
- 36- Horio T, Danno K, Okamoto H, et al. Potassium iodide in erythema nodosum and other erythematous dermatoses. *J Am Acad Dermatol* 1983;9:77.
- 37- Aram H. Acute febrile neutrophilic dermatosis (Sweet's syndrome) response to dapsone. *Arch Dermatol* 1984;120:245.
- 38- El Sherif AI, Bharija SC, Belhaj MS, et al. Dapsone in Sweet syndrome. *Int J Dermatol* 1990;29:737.
- 39- Elsner P, Hartmann AA, Lechner W. Sweet's syndrome associated with Yersinia enterocolitica infection. *Dermatologica* 1986;173:85-89.
- 40- Rappaport A, Shaked M, Landau M, et al. Sweet's syndrome in association with Crohn's disease: report of a case and review of the literature. *Dis Colon Rectum* 2001;44:1526-1529.
- 41- Amichai B, Lazarov A, Cagnano M, et al. Sweet's syndrome and chlamydial infection. *Australas J Dermatol* 1993;34:31-33.

- 42- Neoh CY, Tan AWH, Ng SK: Sweet's syndrome. a spectrum of unusual clinical presentations and associations. *Br J Dermatol* 2007;156:480-485.
- 43- Hehlmann R, Luderhshmidt C, Goebel FD, et al. Relapsing acute febrile neutrophilic dermatosis and essential thrombocythemia. *Blut* 1984; 48:297-305.
- 44- Matzkies FG, Manger B, Schmitt-Haendle M. Severe septicaemia in a patient with poly-chondritis and Sweet's syndrome after initiation of treatment with infliximab. *Ann Rheum Dis* 2003;62:81-82.
- 45- Haliasos E, Soder B, Rubenstein DS, et al. Pediatric Sweet syndrome and immunodeficiency successfully treated with intravenous immunoglobulin. *Pediatr Dermatol* 2005;22:530-535.
- 46- Brodtkin RH, Schwartz RA. Sweet's syndrome with myelofibrosis and leukemia: partial response to interferon. *Dermatology* 1995;190:160-163.
- 47- Yamuuchi PS, Turner L, Lowe NJ, et al. Treatment of recurrent Sweet's syndrome with coexisting rheumatoid arthritis with the tumor necrosis factor antagonist etanercept. *J Am Acad Dermatol* 2006;54:122-126.
- 48- Vignon-Pennamen MD, Juillard C, Rybojad M, et al. Chronic recurrent lymphocytic Sweet's syndrome as a predictive marker of myelodysplasia: a report of 9 cases. *Arch Dermatol* 2006;142:1170-1176.
- 49- Bourke JF, Berth-Jones J, Graham-Brown RA. Sweet's syndrome responding to cyclosporin. *Br J Dermatol* 1992;127:36.
- 50- Walling HW, Snipes CJ, Gerami P, et al. The relationship between neutrophilic dermatosis of the dorsal hands and sweet syndrome: report of 9 cases and comparison to atypical pyoderma gangrenosum. *Arch Dermatol* 2006;142:57.