

BÖLÜM 8

EPİDERMOLİZİS BÜLLOZADA PEDIATRİK BAKIM ¹

Ayşe GÖBEKLİ²
Rabiye GÜNEY³

GİRİŞ

Epidermolizis bülloza (EB), minimal travmalardan sonra deri ve müköz membranların aşınması, kabarması (bül oluşumu) ve dermo-epidermal cilt bütünlüğünün bozulması (yara oluşumu) ile tanımlanan bir grup genetik hastalıktır (1). Bül oluşumuna dermo-epidermal yapıdaki proteinlerin kodlanmasında görev alan genlerde gelişen mutasyonlar sebep olmaktadır (2,3). Epidermolizis bülloza adı, ilk kez Koebner tarafından 1886'da kullanılmıştır. Ancak bu tanı ile uyumlu vakaların başkaları tarafından daha önceden tanımlandığı görülmüştür(4). İnsidans ve prevalansa ilişkin net bir sayı olmamasına karşın, yaklaşık olarak EB prevalansının milyonda 11, insidansının bir milyon canlı doğumda 20 olduğu tahmin edilmektedir(5,6). Türkiye'de ise kayıtlara geçen yaklaşık 700 civarı hasta bulunmaktadır (7).

Pearson 1962'de elektron mikroskopik yöntemler kullanarak EB'yi üç büyük fenotipik grup olarak sınıflamıştır. Bunlar sırasıyla EB simpleks (EBS), junctional EB (JEB) ve distrofik EB (DEB)'dir

¹ 7th Congress of The European Academy of Paediatric Societies (2018)'de e- poster olarak sunulmuştur.

² Hemşire, Yüksek Lisans Öğrencisi, Sağlık Bilimleri Üniversitesi, Hamidiye Hemşirelik Fakültesi, Çocuk Sağlığı ve Hastalıkları Hemşireliği Anabilim Dalı, İstanbul/ Türkiye, e-mail: ayse_9196@hotmail.com

³ Dr. Öğr. Üyesi, Sağlık Bilimleri Üniversitesi, Hamidiye Hemşirelik Fakültesi, Çocuk Sağlığı ve Hastalıkları Hemşireliği Anabilim Dalı, İstanbul/Türkiye, e-mail: rabiye.güney@sbu.edu.tr

KAYNAKÇA

1. Has C, Bauer J. W, Bodemer C, et al. Consensus re-classification of inherited epidermolysis bullosa and other disorders with skin fragility. The British Journal of Dermatology. 2020. doi: 10.1111/BJD.18921.
2. Karaduman A. (2011) Kalitsal Bullu Hastalıklar/Inherited Bullous Diseases. *Turkderm*. 45, 81. doi: 10.4274 / *turkderm*.45.s14
3. Turan E, Gürel M. S, Erdemir A. T, et al. Epidermolysis bullosa dystrophica inversa: A case report. *Journal of Clinical and Experimental Investigations*. 2012; 3 (3): 412-414. doi: 10.5799/ahinjs.01.2012.03.0191.
4. Fine J. D. & Hintner H. (2009). *Life with Epidermolysis Bullosa (Eb)*. Vienna: Springer.
5. US National Library of Medicine. Genetics home reference: Your guide to understanding genetic conditions. (2020) Erişim Tarihi: 30.01.2020 Erişim Adresi: <https://ghr.nlm.nih.gov/condition/epidermolysis-bullosa-simplex#statistics>
6. Fine J. D. Epidemiology of Inherited Epidermolysis Bullosa Based on Incidence and Prevalence Estimates From the National Epidermolysis Bullosa Registry. *JAMA Dermatology*. (2016); 152(11), 1231. doi: 10.1001 / *jama-dermatol*.2016.2473
7. Debra Türkiye (2019) Erişim Tarihi: 30.01.2019 Erişim Adresi: <https://debraturkey.wixsite.com/website>
8. Bayar Ö. F. & Gülsüm A. K. Squamous Hücreli Karsinom Gelişen Epidermolizis Bülloza Ve Dental Tedavi Yaklaşımları. *Atatürk Üniversitesi Diş Hekimliği Fakültesi Dergisi*. 2015; 25(13). doi: <https://doi.org/10.17567/dfd.76303>.
9. Debra International (2020) Erişim Tarihi: Ocak 2020 Erişim Adresi: <http://www.debra-international.org/what-is-eb/causes-and-subtypes/ebs.html>.
10. Sousa M. C. D. S, Paula C. D. R. D, Tauil P. L, et al. Correlation between nutritional, hematological and infectious characteristics and classification of the type of epidermolysis bullosa of patients assisted at the Dermatology Clinic of the Hospital Universitário de Brasília. *Anais brasileiros de dermatologia*. 2015; 90(6), 922-924. doi: 10.1590 / *abd1806-4841.20154575*
11. Sawamura D, Nakano H, & Matsuzaki Y. Overview of epidermolysis bullosa. *The Journal of Dermatology*. 2010; 37(3), 214-219. doi: 10.1111/j.1346-8138.2009.00800.x.
12. Bruckner A. L, Losow M, Wisk J, et al. The challenges of living with and managing epidermolysis bullosa: insights from patients and caregivers. *Orphanet Journal of Rare Diseases*. 2020; 15(1), 1. doi: 10.1186 / *s13023-019-1279-y*.
13. Denyer J, Pillay E, Clapham J. (2017) Best practice guidelines for skin and wound care in epidermolysis bullosa. An International Consensus. *Wounds International*. Erişim Tarihi: 30.01.2019, Erişim Adresi: http://www.debra-international.org/fileadmin/media_data/4_DEBRA_International/

- CPGs/Guidelines/International_Consensus_Best_Practice_Guidelines_Skin_and_Wound_Care_in_Epidermolysis_Bullosa.pdf.
14. Lynne V, Burns L, Handsaker J, et al. Epidermolysis bullosa: management complexities for paediatric patients. *British Journal of Nursing*. 2018; 27(Sup12), S20-S25. doi: 10.12968/bjon.2018.27.Sup12.S20.
 15. Pope E, Lara-Corrales I, Mellerio J. A consensus approach to wound care in epidermolysis bullosa. *Journal of the American Academy of Dermatology*. 2012; 67(5), 904-917. doi: 10.1016 / j.jaad.2012.01.016.
 16. Stevens L. J, McKenna S, Marty J. Understanding the outcomes of a home nursing programme for patients with epidermolysis bullosa: an Australian perspective. *International Wound Journal*. 2016; 13(5), 863-869. doi: 10.1111 / iwj.12394.
 17. Has C, Liu L, Bolling M. C, et al. Clinical practice guidelines for laboratory diagnosis of epidermolysis bullosa. *British Journal of Dermatology*. 2019. doi: 10.1111/bjd.18128.
 18. Goldschneider K. R, Good J, Harrop E. Pain care for patients with epidermolysis bullosa: best care practice guidelines. *BMC Medicine*. 2014; 12(1), 178. doi: 10.1186 / s12916-014-0178-2.
 19. Chan J. M, Weisman A, King A, et al. Occupational therapy for epidermolysis bullosa: clinical practice guidelines. *Orphanet Journal of Rare Diseases*. 2019; 14(1), 129. doi: 10.1186/s13023-019-1059-8.
 20. Uitto J, McGrath J. A, Rodeck U, et al. Progress in epidermolysis bullosa research: toward treatment and cure. *Journal of Investigative Dermatology*. 2010; 130(7), 1778-1784. doi: 10.1038/jid.2010.90.
 21. Secco I. L, Costa T, Moraes E. L. L, et al. Nursing care of a newborn with epidermolysis bullosa: a case report. *Revista da Escola de Enfermagem da USP*. 2019; 53, e03501. doi: 10.1590 / S1980-220X2018023603501.
 22. Tan K. L, Foo P. L. & Leow M. Q. H. Nursing Management of a Young Child With Epidermolysis Bullosa Simplex: Dowling—Meara in Singapore. *Journal of the Dermatology Nurses' Association*. 2016; 8(1), 59-63. doi: 10.1097/JDN.0000000000000187.
 23. Badger K. S, O'Haver J. & Price H. Recommendations for a comprehensive management plan for the child diagnosed with epidermolysis bullosa. *Journal of the Dermatology Nurses' Association*. 2013; 5(2), 72-78. doi: 10.1097/JDN.0b013e31828866fa.
 24. EBHandbook (2012). The New Born With Epidermolysis Bullosa (Eb). Erişim Tarihi: Ocak 2020 Erişim Adresi: https://www.eb-haus.org/fileadmin/user_upload/Media_Library/EB-Handbuch/PDFs_English/new_born_with_EB.pdf.
 25. Information for Parents (2014). The New Baby With EB. Erişim Tarihi: Ocak 2020 Erişim Adresi: <https://www.debra.org.uk/downloads/community-support/care-of-a-new-baby-with-eb.pdf>.
 26. Frew J. W, Martin L. K, Nijsten T, et al. Quality of life evaluation in epidermolysis bullosa (EB) through the development of the QOLEB questionnai-

- re: an EBSpecific quality of life instrument. *British Journal of Dermatology*. 2009; 161(6), 1323-1330. doi: 10.1111 / j.1365-2133.2009.09347.x.
27. Abercrombie M.E, Mather A.C, Hon J. Recessive dystrophic epidermolysis bullosa. Part 2: Care of the adult patient. *British Journal of Nursing*. 2008; 17(Sup3), S6-S20. doi: 10.12968/bjon.2008.17.sup3.28911.
 28. Hernandez-Martin A. & Torrelo, A. Inherited epidermolysis bullosa: from diagnosis to reality. *Actas Dermo-Sifiliográficas (English Edition)*. 2010; 101(6), 495-505. doi: 10.1016 / s1578-2190 (10) 70.834-9.
 29. Fine J. D, & Mellerio J. E. Extracutaneous manifestations and complications of inherited epidermolysis bullosa: part I. Epithelial associated tissues. *Journal of the American Academy of Dermatology*. 2009; 61(3), 367-384. doi: 10.1016/ j.jaad.2009.03.052.
 30. Boeira V. L. S. Y, Souza E. S, Rocha B. D. O. Inherited epidermolysis bullosa: clinical and therapeutic aspects. *Anais Brasileiros de Dermatologia*. 2013; 88(2), 185-198. doi: 10.1590 / S0365-05962013000200001.
 31. Watkins J. Diagnosis, treatment and management of epidermolysis bullosa. *British Journal of Nursing*. 2016; 25(8), 428-431. doi: 10.12968 / bjon.2016.25.8.428.
 32. Sarkar R, Bansal S. & Garg V. K. Epidermolysis bullosa: Where do we stand?. *Indian Journal of Dermatology, Venereology, and Leprology*. 2011; 77(4), 431. doi: 10.4103 / 0378-6323.82393.
 33. Fujinami R, Sun V, Zachariah F, et al. Family caregivers' distress levels related to quality of life, burden, and preparedness. *PsychoOncology*. 2015; 24(1), 54-62. doi: 10.1002/pon.3562.
 34. Tabolli S, Giannantoni P. & Abeni D. Family burden of Epidermolysis Bullosa assessed using a generic and a specialty-specific questionnaire. *Clinical Dermatology*. 2014; 67-72.
 35. Kahraman S, Çiftçi E. K. & Timuçin A, Determination of caregiving burden of parents providing care to their children with epidermolysis bullosa. *Egyptian Journal of Dermatology and Venerology*. 2017; 37(1), 1. doi:10.4103 / 1110-6530.207488.
 36. Martin K, Geuens S, Asche J. K, et al. Psychosocial recommendations for the care of children and adults with epidermolysis bullosa and their family: evidence based guidelines. *Orphanet Journal of Rare Diseases*. 2019; 14(1), 133. doi: 10.1186/s13023-019-1086-5.
 37. Kearney S, Donohoe A. & McAuliffe E. Living with epidermolysis bullosa: Daily challenges and healthcare needs. *Health Expectations*. 2019;00:1-9. doi: 10.1111 / hex.13006.
 38. Tabor A, Pergolizzi Jr. J, Marti G, et al. Raising awareness among healthcare providers about epidermolysis bullosa and advancing toward a cure. *The Journal of Clinical and Aesthetic Dermatology*. 2017; 10(5), 36.
 39. Erickson M, & Upshur C. C. Caretaking burden and social support: comparison of mothers of infants with and without disabilities. *American Journal of Mental Retardation*. AJMR. 1989; 94(3), 250-258.

40. Sav, A, King M. A, Whitty J. A, et al. Burden of treatment for chronic illness: a concept analysis and review of the literature. *Health Expectations*. 2015; 18(3), 312-324. doi: 10.1111 / hex.12046.
41. Fortuna G, Aria M, Whitmire S, et al. Sleep quality and disturbances in patients with dystrophic epidermolysis bullosa. *Dermatologica sinica*. 2018; 36(1), 1-7. doi: <https://doi.org/10.1016/j.dsi.2017.07.003>.
42. Angelis A, Kanavos P, López-Bastida J, et al. Social/economic costs and health-related quality of life in patients with epidermolysis bullosa in Europe. *The European Journal of Health Economics*. 2016; 17(1), 31-42. doi: 10.1007 / s10198-016-0783-4.
43. Khan M. T, O'Sullivan M, Faitli B, et al. Foot care in epidermolysis bullosa: Evidencebased guideline. *British Journal of Dermatology*. 2019. doi: 10.1111/bjd.18381.