

BÖLÜM 32

Baş ve/ veya Boyun Travması veya Yaralanmasına Bağlanan Baş ağrısı

Nevzat UZUNER¹

TANIMLAMA

İkincil baş ağrıları içinde en sık karşılaşılan baş ağrısıdır. Travma sonrası her 10 hastadan 3-9'unda post-travmatik baş ağrısı ortaya çıkabilmekte ve bunların da 1/5 kadarı bir yıldan daha fazla sürebilmektedir.



En sık karşılaşılan ikincil baş ağrısıdır

KLİNİK

Özgün baş ağrısı özelliği yoktur. Sıklıkla migren veya gerilim-tipi baş ağrısına benzer. Bu nedenle bunların tanısı büyük ölçüde, travma veya yaralanma ile baş ağrısı arasındaki yakın zamansal ilişkiye bağlıdır. Baş ağrısı, travma veya yaralanmanın ardından tek başına bir belirti olarak ortaya çıkabilir veya dizziness, yorgunluk, yoğunlaşma güçlüğü, psiko-motor yavaşlama, ılımlı bellek sorunları, uykusuzluk, anksiyete, kişilik değişiklikleri ve huzursuzluk gibi belirtiler ile görülebilir. Tekrarlayan baş ağrılarının özellikleri (sıklık, süre veya ağrı şiddeti gibi) farklı olabilir. Erkeklerde kadınlara oranla 2 kat daha fazla sıklıkla görülmesine karşın, kronikleşen olgularda kadın cinsiyet ön plana çıkmaktadır. Kesin olmamakla birlikte şiddeti hafif olan travmalardan sonra daha sık olarak görülmektedir. Kısa sürede düzelen hastalarda travma sonrası stres bozukluğu birlikteliği artmaktadır.



Özgün baş ağrısı özelliği yoktur

¹ Prof. Dr., Eskişehir Osmangazi Üniversitesi Tıp Fakültesi Nöroloji AD



Son söz: Travma sonrası başağrısı sık görülür; Klinik görünüm migren ve gerilim tipi başağrısına benzeyebilir; Nedenleri ve oluş mekanizması henüz aydınlatılmış değildir; Tedavi ve izleminde multidisipliner yaklaşım gereklidir ve eşlik eden diğer hastalıklar göz önüne alınmalıdır.

KAYNAKLAR

1. Amyot F, Lynch CE, Ollinger J, Wernek JK, Silverman E, Moore C, Davis C, Turtzo LC, Diaz-Arastia R, Kenney K. Cerebrovascular Reactivity Measures Are Associated With Post-traumatic Headache Severity in Chronic TBI; A Retrospective Analysis. *Frontiers in Physiology* 2021;12: 649901.
2. Aoki Y, Inokuchi R, Gunshin M, et al. Diffusion tensor imaging studies of mild traumatic brain injury: a meta-analysis. *J Neurol Neurosurg Psychiatr* 2012; 83: 870–876.
3. Ashina H, Eigenbrodt AK, Seifert T, Sinclair AJ, Scher AI, Schytz HW, Lee MJ, De Icco R, Finkel AG, Ashina M. Post-traumatic headache attributed to traumatic brain injury: classification, clinical characteristics, and treatment. *Lancet Neurol* 2021; 20: 460-469.
4. Ashina H, Iljazi A, Al-Khazali HM, Eigenbrodt AN, Larsen EL, Andersen AM, Hansen KJ, Brauner KB, Mørch-Jessen T, Chaudhry B, Antic S, Christensen CE, Ashina M, Amin FM, Schytz HW. Efficacy, tolerability, and safety of erenumab for the preventive treatment of persistent post-traumatic headache attributed to mild traumatic brain injury: an open-label study. *The J Headache and Pain* 2020; 21: 62-70.
5. Ashina H, Porreca F, Anderson T, Amin FM, Ashina M, Schytz HW, Dodick DW. Post-traumatic headache: epidemiology and pathophysiological insights. *Nat Rev Neurol*. 2019 Oct;15(10):607-617.
6. Capi M, Pomes LM, Andolina G, Curto M, Martelletti P, Lionetto L. Persistent Post-Traumatic Headache and Migraine: Pre-Clinical Comparisons. *Int J Environmental Research and Public Health*. 2020; 17:2585-2596.
7. Chan TLH, Woldeamanuel TW. Exploring naturally occurring clinical subgroups of post-traumatic headache. *The J Headache and Pain* 2020; 21:12-22.
8. Conidi FX. Interventional Treatment for Post-traumatic Headache. *Curr Pain Headache Rep* 2016; 20: 40. DOI 10.1007/s11916-016-0570-z
9. Conidi FX. Post Traumatic Headache: Clinical care of athletes vs non athletes with Persistent Post Traumatic Headache after Concussion: Sports Neurologist and Headache Specialist Perspective. *Current Pain and Headache Reports* 2020; 24: 65-71.
10. De Gray LC and Matta BF. Acute and chronic pain following craniotomy: A review. *Anaesthesia* 2005; 60: 693–704.
11. Dwyer B, Zasler N. Post-traumatic cephalalgia. *NeuroRehabilitation* 2020; 47:327-342.
12. Flowers M, Leung A, Schiehser DM, Metzger-Smith V, Delano-Wood L, Sorg S, Kunnel A, Wond A, Vaninetti M, Golshan S, Lee R. Severities in persistent mild traumatic brain injury related headache is associated with changes in supraspinal pain modulatory functions. *Molecular Pain*. 2021; 17:1-8.
13. Fraser F, Matsuzawa Y, Lee YSC, Minen M. Behavioral Treatments for Post-Traumatic Headache. *Curr Pain Headache Rep* 2017; 21: 22. DOI 10.1007/s11916-017-0624-x
14. Headache Classification Committee of the International Headache Society (IHS). The International Classification of Headache Disorders, 3rd edition. *Cephalalgia* 2018; 38(1): 1–211.
15. Ishii R, Schwedt TJ, Trivedi M, Dumkrieger G, Cortez MM, Brennan KC, Digre K, Dodick DW. Mild traumatic brain injury affects the features of migraine. *The J Headache and Pain* 2021; 22: 80-95.
16. Kamins J. Models for Treating Post-traumatic Headache. *Current Pain and Headache Reports*. 2021; 25: 52-61.
17. Kamins J and Charles A. Posttraumatic Headache: Basic Mechanisms and Therapeutic Targets. *Headache*, doi: 10.1111/head.13312
18. Kjeldgaard D, Forchhammer HB, Teasdale TW, Jensen RH. Cognitive behavioural treatment for the chronic post-traumatic headache patient: a randomized controlled trial. *The Journal of Headache and Pain* 2014; 15: 81.
19. Lambru G, Benemei S, Andreou AP, Luciani M, Serafini G, van den Brick AM, Martelletti P. Position Paper on Post-Traumatic Headache: The Relationship Between Head Trauma, Stress Disorder, and Migraine. *Pain Ther* 2021; 10:1-13.
20. Larsen EL, Ashina H, Iljazi A, Al-Khazali HM, Seem K, Ashina M, Ashina S, Schytz HW. Acute and preventive pharmacological treatment of posttraumatic headache: a systematic review. *J Headache Pain*. 2019 Oct 21;20(1):98.
21. Lucas S. Posttraumatic Headache: Clinical Characterization and Management. *Curr Pain Headache Rep* 2015; 19: 48. DOI 10.1007/s11916-015-0520-1



22. Lu L, Li F, Wang P, Chen H, Chen YC, Yin X. Altered hypothalamic functional connectivity in post-traumatic headache after mild traumatic brain injury. *The J Headache and Pain* 2020;21: 93-102.
23. Maleki N, Finkel A, Cai G, Ross A, Moore RD, Feng X, Androulakis XM. Post-traumatic Headache and Mild Traumatic Brain Injury: Brain Networks and Connectivity. *Current Pain and Headache Reports* 2021; 25: 20-31.
24. Nardone R, Sebastianelli L, Versace V, Brigo F, Golaszewski S, Manganotti P, Saltuari L, Trinka E. Repetitive transcranial magnetic stimulation in traumatic brain injury: Evidence from animal and human studies. *Brain Research Bulletin* 2020;159: 4-52.
25. Naugle KM, Carey C, Evans E, Saxe J, Overman R, White FA. The role of deficient pain modulatory systems in the development of persistent post-traumatic headaches following mild traumatic brain injury: an exploratory longitudinal study. *The J Headache and Pain* 2020; 21: 138-150.
26. Obermann M, Nebel K, Riegel A, et al. Incidence and predictors of chronic headache attributed to whiplash injury. *Cephalalgia* 2010; 30: 528-534.
27. Oberman M, Naegel S, Bosche B, Holle D. An update on the management of posttraumatic headache. *Ther Adv Neurol Disord* 2015; 8(6): 311-315.
28. Pena A, Dumkrieger G, Berisha V, Ross K, Chong CD, Schwedt TJ. Headache Characteristics and Psychological Factors Associated with Functional Impairment in Individuals with Persistent Post-traumatic Headache. *Pain Medicine* 2021; 22(3): 670-676.
29. Scher AI, McGinley JS, Wirth RJ, Lipton RB, Terrio H, Brenner LA, Cole WR Schwab K. Headache complexity (number of symptom features) differentiates post-traumatic from non-traumatic headaches. *Cephalalgia* 2021; 41(5): 582-592.
30. Schwedt TJ. Post-traumatic headache due to mild traumatic brain injury: Current knowledge and future directions. *Cephalalgia* 2021; 41(4): 464-471.
31. Tessler J and Horn LJ. Post-Traumatic Headache. NCBI Bookshelf 2021. StatPearls Publishing LLC. Bookshelf ID: NBK556134 PMID: 32310594
32. Zirovich MD, Pangarkar SS, Manh C, Chen L, Vangala S, Elashoff DA, Izuchukwu IS. Botulinum Toxin Type A for the Treatment of Post-traumatic Headache: A Randomized, Placebo-Controlled, Cross-over Study. *Military Medicine* 2021;186 (5/6): 493-499.