

Articles included in the systematic review for EMH in the context of TDT[1-72]

1. A. Al-Namil S, MA. Al-Diab J, N. Abdalnabi A. Adrenal Extramedullary Hematopoiesis in a patient with Beta Thalassemia Major. The Medical Journal of Basrah University. 2018;36(1):45-8. doi: 10.33762/mjbu.2018.145198.
2. Aarabi B, Haghshenas M, Rakeii V. Visual failure caused by suprasellar extramedullary hematopoiesis in beta thalassemia: case report. Neurosurgery. 1998;42(4):922-5; discussion 5-6. Epub 1998/05/09. doi: 10.1097/00006123-199804000-00134. PubMed PMID: 9574659.
3. Abir K, Yousser M, Omar D, Alcheikh PS. Unusual Pulmonary Masses in Beta Thalassemia Major. EC PULMONOLOGY AND RESPIRATORY MEDICINE. 2016;2(5):181-6.
4. Ahad Aziz Qureshi PA, Razi M, Rehman A, Hassan A. Hodgkin lymphoma with co-existing extramedullary haematopoiesis in a Thalassaemia Major patient: Killing two birds with one stone using PET-CT. J Pak Med Assoc. 2019;69(7):1059. Epub 2020/01/28. PubMed PMID: 31983750.
5. Ahmad R, Okar L, Almasri H, Eldean MS, Elhiday A, Ata F, et al. LOW BACK PAIN IN BETA THALASSEMIA MAJOR REVEALING SACRAL EXTRA MEDULLAY HEMATOPOEISIS: A CASE REPORT. Authorea Preprints. 2020.
6. Al-Aabassi A, Murad BA. Presacral extramedullary hematopoiesis: a diagnostic confusion concerning a rare presentation. Med Princ Pract. 2005;14(5):358-62. Epub 2005/08/17. doi: 10.1159/000086936. PubMed PMID: 16103704.
7. Aliberti B, Patrikiou A, Terentiou A, Frangatou S, Papadimitriou A. Spinal cord compression due to extramedullary haematopoiesis in two patients with thalassaemia: complete regression with blood transfusion therapy. Journal of Neurology. 2001;248(1):18-22. doi: 10.1007/s004150170264.
8. Ben Ammar L, Ferjani H, Maatallah K, Bouallegue S, Riahi H, Kaffel D, et al. Spinal cord compression by extramedullary hematopoiesis in beta-thalassemia major. Clin Case Rep. 2020;8(8):1433-6. Epub 2020/09/05. doi: 10.1002/ccr3.2924. PubMed PMID: 32884769; PubMed Central PMCID: PMC7455443.
9. Borgna-Pignatti C, Turlá G, Zanforlin N, Marsella M, Gentile MP, Maida G, et al. A calcified mass in the spinal canal of a patient with β -thalassemia major. J Pediatr Hematol Oncol. 2010;32(8):621. Epub 2010/09/08. doi: 10.1097/MPH.0b013e3181e5e221. PubMed PMID: 20818273.
10. Boussaa H, Kaffel D, Maatallah K, Lassoued Ferjani H, Hamdi W. A rare cause of lumbar nerve root compression: Extramedullary hematopoiesis in a patient with thalassemia major. Clinical Case Reports. n/a(n/a):e04119. doi: <https://doi.org/10.1002/ccr3.4119>.
11. Boyacigil S, Ali A, Ardiç S, Yüksel E. Epidural extramedullary haemopoiesis in thalassaemia. Australas Radiol. 2002;46(2):180-2. Epub 2002/06/13. doi: 10.1046/j.1440-1673.2001.01031.x. PubMed PMID: 12060158.
12. Bronn LJ, Paquetet, Tetelman MR. Intrathoracic extramedullary hematopoiesis: appearance on 99mTc sulfur colloid marrow scan. American Journal of Roentgenology. 1980;134(6):1254-5. doi: 10.2214/ajr.134.6.1254.
13. Bruneteau G, Fénelon G, Khalil A, Kanfer A, Girot R. [Spinal cord compression secondary to extramedullary hematopoiesis in a patient with thalassemia]. Rev Neurol (Paris). 2000;156(5):510-3. Epub 2000/06/09. PubMed PMID: 10844371.
14. Campisi S, Mangiagli A, De Sanctis V, Giovannini M. Paraplegia in a thalassaemic patient with short stature. Pediatr Endocrinol Rev. 2011;8 Suppl 2:340-4. Epub 2011/06/28. PubMed PMID: 21705991.

15. Chatterjee A, Sarkar S, Roy A. Haemothorax in Thalassemia May be a Complication of Rupture of Intrathoracic Extramedullary Haematopoiesis. 2015.
16. Chen Y-W, Sheu R-S, Chiou S-S, Chang T-T, Huang Y-F, Liu G-C. Tc99m sulfur colloid scintigraphy for detection of intrathoracic extramedullary hematopoiesis in patient with beta-thalassemia major--a case report. *The Kaohsiung journal of medical sciences*. 2000;16(6):319-24.
17. Chiam QL, Lau KK. Extramedullary haematopoiesis in thalassemia major causing spinal cord compression. *Australas Radiol*. 2007;51(2):168-71. Epub 2007/04/11. doi: 10.1111/j.1440-1673.2007.01689.x. PubMed PMID: 17419864.
18. Chuang CK, Chu SH, Fang JT, Wu JH. Adrenal extramedullary hematopoietic tumor in a patient with beta-thalassemia. *J Formos Med Assoc*. 1998;97(6):431-3. PubMed PMID: 9650475.
19. Daneshbod Y, Kazemi T. Nodal extramedullary hematopoiesis and facial bone change in thalassemia. *Blood*. 2015;126(17):2070. Epub 2016/01/21. doi: 10.1182/blood-2015-07-652396. PubMed PMID: 26788567.
20. Diaconu A, Coculescu BI, Rizea O, Herlea V, Vultur H. Extramedullary hematopoiesis in beta thalassemia major-case presentation. *Romanian Journal of Legal Medicine*. 2020;28(2):212-7. doi: 10.4323/rjlm.2020.212.
21. Dragean CA, Duquesne L, Theate I, Ghaye B, Coche EE. Extramedullary haemopoiesis and spinal cord compression. *The Lancet*. 2011;377(9761):251. doi: 10.1016/S0140-6736(10)60485-0.
22. Elbers H, Stadt Jvd, Wagenaar SS. Tumor-Simulating Thoracic Extramedullary Hematopoiesis. *The Annals of Thoracic Surgery*. 1980;30(6):584-7. doi: [https://doi.org/10.1016/S0003-4975\(10\)61735-3](https://doi.org/10.1016/S0003-4975(10)61735-3).
23. Emamhadi M, Alizadeh A. Effect of hypertransfusion on extramedullary hematopoietic compression mass in thalassemia major: a case report. *Iran J Radiol*. 2012;9(3):154-6. Epub 2013/01/19. doi: 10.5812/iranjradiol.8064. PubMed PMID: 23329982; PubMed Central PMCID: PMC3522378.
24. Eskazan AE, Ar MC, Baslar Z. Intracranial extramedullary hematopoiesis in patients with thalassemia: a case report and review of the literature. *Transfusion*. 2012;52(8):1715-20. Epub 2012/01/10. doi: 10.1111/j.1537-2995.2011.03499.x. PubMed PMID: 22220514.
25. Fareed S, Soliman AT, De Sanctis V, Kohla S, Soliman D, Khirfan D, et al. Spinal cord compression secondary to extramedullary hematopoiesis: A rareness in a young adult with thalassemia major. *Acta Biomed*. 2017;88(2):237-42. Epub 2017/08/29. doi: 10.23750/abm.v88i2.6221. PubMed PMID: 28845843; PubMed Central PMCID: PMC6166144.
26. Gaduputi V, Loganathan J, Nayudu SK, Chilimuri S. Beta-Thalassemia Presenting as an Acute Neurological Complication: A Case Report 2011.
27. Kaitoukov Y, Zdanovich E, Moser T. Extramedullary Hematopoiesis in Beta Thalassemia Major: Multisystem Involvement. *OMICS J Radiol*. 2016;5:234.
28. Karaca F, Usul Afsar C, Sert F, Guner S, Ercolak V, Erkurt E, et al. Palliative Radiotherapy for Spinal Extramedullary Hematopoiesis in Thalassemia Major. *International Blood Research & Reviews*. 2015;3. doi: 10.9734/IBRR/2015/17235.
29. Karami H, Kosaryan M, Taghipour M, Sharifian R, Aliasgharian A, Motalebi M. Extramedullary hematopoiesis presenting as a right adrenal mass in a patient with Beta thalassemia. *Nephrourol Mon*. 2014;6(5):e19465. Epub 2015/02/20. doi: 10.5812/numonthly.19465. PubMed PMID: 25695031; PubMed Central PMCID: PMC4318012.
30. Karimi M, Cohan N, Bagheri MH, Lotfi M, Omidvari S, Geramizadeh B. A lump on the head. *The Lancet*. 2008;372(9647):1436. doi: 10.1016/S0140-6736(08)61590-1.
31. Karimi M, Cohan N, Pishdad P. Hydroxyurea as a first-line treatment of extramedullary hematopoiesis in patients with beta thalassemia: Four case reports. *Hematology*. 2015;20(1):53-7. Epub 2014/04/11. doi: 10.1179/1607845414y.0000000168. PubMed PMID: 24717020.

32. Karimi M, Zarei T, Pishdad P. Extramedullary hematopoiesis in a patient with blood transfusion-dependent beta-thalassemia presenting with a mass like lesion and cord compression. *Iranian Journal of Blood & Cancer*. 2017.
33. Karki B, Xu YK, Tamrakar K, Wu YK. Intracranial extramedullary hematopoiesis in beta-thalassemia. *Korean J Radiol*. 2012;13(2):240-3. Epub 2012/03/23. doi: 10.3348/kjr.2012.13.2.240. PubMed PMID: 22438693; PubMed Central PMCID: PMC3303909.
34. Keikhaei B, Shirazi AS, Pour MM. Adrenal extramedullary hematopoiesis associated with β -thalassemia major. *Hematol Rep*. 2012;4(2):e7. Epub 2012/07/25. doi: 10.4081/hr.2012.e7. PubMed PMID: 22826797; PubMed Central PMCID: PMC3401136.
35. Khurana R, Arora SK, Hemal A, Arora S. Successful non-operative management of cauda equina syndrome in a case of thalassemia major. *Pediatric Hematology Oncology Journal*. 2016;1(2):41-3. doi: <https://doi.org/10.1016/j.phoj.2016.07.004>.
36. Konstantopoulos K, Vagiopoulos G, Kantouni R, Lymperi S, Patriarchas G, Georgakopoulos D, et al. A case of spinal cord compression by extramedullary haemopoiesis in a thalassaemic patient: a putative role for hydroxyurea? *Haematologica*. 1992;77(4):352-4. Epub 1992/07/01. PubMed PMID: 1385278.
37. Koppa P, Kelkar AH, Aggarwal K, De Filippis S, Fletcher B. Red Blood Cell Exchange in a Patient With Extramedullary Hematopoiesis and Cor Pulmonale Secondary to Beta Thalassemia. *Cureus*. 2021;13(3):e13638. Epub 2021/04/08. doi: 10.7759/cureus.13638. PubMed PMID: 33824791; PubMed Central PMCID: PMC8011980.
38. Lanigan A, Fordham MT. Temporal bone extramedullary hematopoiesis as a cause of pediatric bilateral conductive hearing loss: Case report and review of the literature. *Int J Pediatr Otorhinolaryngol*. 2017;97:135-8. Epub 2017/05/10. doi: 10.1016/j.ijporl.2017.03.032. PubMed PMID: 28483223.
39. Lau SK, Chan CK, Chow YY. Cord compression due to extramedullary hemopoiesis in a patient with thalassemia. *Spine (Phila Pa 1976)*. 1994;19(21):2467-70. Epub 1994/11/01. doi: 10.1097/00007632-199411000-00019. PubMed PMID: 7846603.
40. Malinová V, D'Andrea V, Dítě P, Malinový L, Baseli PF, Bartolucci R, et al. [Hemothorax in the posterior mediastinum in extramedullary hemopoiesis]. *Vnitř Lek*. 1996;42(8):555-6. Epub 1996/08/01. PubMed PMID: 8967026.
41. Nagaraj T, N U, Devarhubli AR, SN S. B Thalassemia major: A case report. *J Int Oral Health* 2011;3(5):67-73.
42. Nair R, Anand D, Menon G, Kiran Acharya K, Shastri B. Compressive myelopathy - An unusual presentation of extramedullary hematopoiesis in a known patient of thalassemia major. *Archives of Medicine and Health Sciences*. 2020;8(1):96-9. doi: 10.4103/amhs.amhs_97_20.
43. Oermann EK, Coppa ND, Margolis M, Sandhu FA. Extramedullary hematopoietic tumor mimicking a thoracic nerve root schwannoma. *J Neurosurg Spine*. 2010;13(1):78-81. Epub 2010/07/03. doi: 10.3171/2010.3.Spine09277. PubMed PMID: 20594021.
44. Oğuş C, Ozdemir T, Kabaalioglu A. Right hilar mass in a patient with beta-thalassemia major. *Respiration*. 2001;68(2):215-6. Epub 2001/04/05. doi: 10.1159/000050496. PubMed PMID: 11287840.
45. Özer H, Kocaman Ü, Yılmaz M, Dalbasti T. Paraparesis Due to a Long-segment Thoracic Mass in a Beta Thalassemia Major Patient: Approach to the Treatment. *Journal of Neurological Sciences*. 2015;32:199-202.
46. Qiu D, Hu X, Xu L, Guo X. Extramedullary hematopoiesis on 18F-FDG PET/CT in a patient with thalassemia and nasopharyngeal carcinoma: A case report and literature review. *J Cancer Res Ther*. 2015;11(4):1034. Epub 2016/02/18. doi: 10.4103/0973-1482.150359. PubMed PMID: 26881631.
47. Rasekhi AR, Sh O, Rasekhi AR. Cord compression secondary to epidural extramedullary hematopoiesis in beta-thalassemia. *Iran J Med Sci*. 1998;23:138-41.

48. Reames DL, Lindstrom K, Raghavan P, Jane J. Extramedullary hematopoiesis within the clivus: an unusual cause of lower cranial nerve palsy. *Journal of Neuro-Oncology*. 2010;100(3):481-5. doi: 10.1007/s11060-010-0208-7.
49. Reif J, Graf N. Spinal space occupying lesions in thalassemia major. *Neurosurgical Review*. 1989;12(4):323-31. doi: 10.1007/BF01780851.
50. Ricchi P, Meloni A, Spasiano A, Neri MG, Gamberini MR, Cuccia L, et al. Extramedullary hematopoiesis is associated with lower cardiac iron loading in chronically transfused thalassemia patients. *American Journal of Hematology*. 2015;90(11):1008-12. doi: 10.1002/ajh.24139.
51. Richter E. [Extramedullary hematopoiesis with intraspinal extension in thalassemia]. *Aktuelle Radiol*. 1993;3(5):320-2. PubMed PMID: 8399424.
52. Saha A, Chattopadhyay S, Azam M, Chatterjee K. Thoracic spinal cord compression due to xtramedullary haemopoiesis in a patient with beta-thalassemia: complete clinical regression with radiation therapy alone. *International Journal of Cancer Therapy and Oncology*. 2014;3:03017. doi: 10.14319/ijcto.0301.7.
53. Salehi SA, Koski T, Ondra SL. Spinal cord compression in beta-thalassemia: case report and review of the literature. *Spinal Cord*. 2004;42(2):117-23. Epub 2004/02/07. doi: 10.1038/sj.sc.3101544. PubMed PMID: 14765145.
54. Sanei Taheri M, Birang SH, Shahnazi M, Hemadi H. Large Splenic Mass of Extramedullary Hematopoiesis. *Iranian Journal of Radiology*. 2005;2:98-101.
55. Sekar S, Burad D, Abraham A, Paul MJ. Adrenal incidentaloma caused by extramedullary haematopoiesis: conservative management is optimal. *BMJ Case Rep*. 2015;2015. Epub 2015/09/24. doi: 10.1136/bcr-2015-211014. PubMed PMID: 26392447; PubMed Central PMCID: PMCPMC4577657.
56. Shakeri R, Rahmati A, Zamani F. Photoclinic. *Archives of Iranian medicine*. 2013;16(5):315.
57. Sirisena M, Birman CS, McKibbin AJ, O'Brien KJ. Bilateral auditory ossicular expansions in a child with beta-thalassemia major: Case report and literature review. *Int J Pediatr Otorhinolaryngol*. 2018;112:126-31. Epub 2018/07/30. doi: 10.1016/j.ijporl.2018.06.046. PubMed PMID: 30055721.
58. Soman S, Rosenfeld DL, Roychowdhury S, Drachtman RA, Cohler A. Cord Compression due to Extramedullary Hematopoiesis in an Adolescent with Known Beta Thalassemia Major. *J Radiol Case Rep*. 2009;3(1):17-22. Epub 2009/01/01. doi: 10.3941/jrcr.v3i1.83. PubMed PMID: 22470615; PubMed Central PMCID: PMCPMC3303263.
59. Sousos N, Adamidou D, Klonizakis P, Agapidou A, Theodoridou S, Spanos G, et al. Presence of the IVS-I-6-Mutated Allele in Beta-Thalassemia Major Patients Correlates with Extramedullary Hematopoiesis Incidence. *Acta Haematol*. 2017;137(3):175-82. Epub 2017/04/12. doi: 10.1159/000463919. PubMed PMID: 28399542.
60. Subahi EA, Abdelrazek M, Yassin MA. Spinal cord compression due to extramedullary hematopoiesis in patient with Beta thalassemia major. *Clin Case Rep*. 2021;9(1):405-9. Epub 2021/01/26. doi: 10.1002/ccr3.3542. PubMed PMID: 33489190; PubMed Central PMCID: PMCPMC7812994.
61. Sumana G, Sanjay N, Habibul I. A Rare Case Report of Extra Medullary Hematopoiesis in Lung in a Case of Thalassemia. 2014.
62. Suresh SC, Raju B, Jumah F, Nanda A. Lumbosacral extradural extramedullary hematopoiesis in thalassemia major causing spinal canal stenosis. *Surg Neurol Int*. 2020;11:331. Epub 2020/11/17. doi: 10.25259/sni_563_2020. PubMed PMID: 33194265; PubMed Central PMCID: PMCPMC7656047.
63. Tai SM, Chan JS, Ha SY, Young BW, Chan MS. Successful treatment of spinal cord compression secondary to extramedullary hematopoietic mass by hypertransfusion in a patient with thalassemia major. *Pediatr Hematol Oncol*. 2006;23(4):317-21. Epub 2006/04/20. doi: 10.1080/08880010600629676. PubMed PMID: 16621773.

64. Talapatra K, Nemade B, Siddha M, Muckaden M, Laskar S. Extramedullary haematopoiesis causing spinal cord compression: A rare presentation with excellent outcome. *Annals of Indian Academy of Neurology*. 2007;10. doi: 10.4103/0972-2327.33221.
65. Tiwari A, Varghese V, Chand A, Chhabra M. Paraplegia due to Extramedullary Hematopoietic Tissue Compression of Thoracic Thecal Sac in a Patient with Thalassemia Treated Successfully with Surgical Decompression: A Case Report. *Indian Journal of Neurosurgery*. 2016;05. doi: 10.1055/s-0036-1572382.
66. Tsitsikas DA, Barroso FA, Telfer P, Kaya B, Evanson J, Provan A. A patient with beta thalassaemia major and back pain. *Bmj*. 2008;337:a2304. Epub 2008/11/21. doi: 10.1136/bmj.a2304. PubMed PMID: 19019876.
67. Usmani S, Ahmed N, Muzaffar S, Al Kandari F. Extensive Extramedullary Hematopoiesis in Thalassemia: Soft Tissue Uptake on 99mTc-MDP SPECT/CT. *Clin Nucl Med*. 2020;45(10):e459-e60. Epub 2020/07/14. doi: 10.1097/rlu.0000000000003191. PubMed PMID: 32657877.
68. Valotassiou V, Angelidis G, Alexiou S, Psimadas D, Tsougos I, Georgoulas P. Detection of Extramedullary Hematopoietic Tissue in a Patient with Beta-Thalassemia Major on Tc99m-Sestamibi Parathyroid Scintigraphy. *Indian J Nucl Med*. 2019;34(4):324-5. Epub 2019/10/04. doi: 10.4103/ijnm.IJNM_115_19. PubMed PMID: 31579358; PubMed Central PMCID: PMC6771193.
69. Varshney A, Barwa V, Saini L, Lamba P, Yadav RK. Intracranial extramedullary hematopoiesis in a thalassemic girl: A Case report. *Indian Journal of Case Reports*. 2017;3(2):81-4. doi: 10.32677/IJCR.2017.v03.i02.010.
70. White K, Blay C, Ataya A, Alnuaimat H, Reddy R. A 34-Year-Old Man With Bilateral Paraspinal Masses and Shortness of Breath. *Chest*. 2019;156(5):e99-e102. Epub 2019/11/09. doi: 10.1016/j.chest.2019.05.043. PubMed PMID: 31699236.
71. Zeighami S, Eslahi SA, Hosseini MM, Ariaifar A, Pakbaz S, Rastegari M, et al. Extramedullary Hematopoiesis in a Man With β -Thalassemia: An Uncommon Cause of an Adrenal Mass. *Annals of Colorectal Research*. 2015;3(2):0-. doi: 10.17795/acr-29003.
72. Ziegler L, Lange M, Feiden W, Vogl T. Spinal cord compression in thalassemia major: value of MR imaging. *European Radiology*. 1991;1(1):81-4. doi: 10.1007/BF00540112.