Multidisciplinary treatment of a giant scalp nevus with intracranial extension

Figure 1 Physical examination and imaging showed a large intracranial space-occupying mass

(A) Preoperative image showing a large patch of pigmented skin with local alopecia areata in the patient. (B–D) MRI scans of the intracranial portion of the mass in the right occipitotemporal lobe.

A 46-year-old man presented with a 4-year history of headache and visual field defect. Physical examination revealed a large patch of pigmented skin with alopecia areata measuring 10×12 cm in the right occipitotemporal region (figure 1A). Imaging showed a large intracranial space-occupying mass (figure 1, B–D). Pitch-black, chocolate-like substance was found during the surgery (figure 2A). The wound was repaired using split-skin graft (figure 2B). Pathologic examination confirmed the diagnosis of pigmented nevus. Giant pigmented nevus is a congenital melanocytic lesion originating from the neural crest.¹ Intracranial spread is extremely rare² and may represent a malignant transformation.

Zhi Gang Lan, MD,* Mao Jun Chen, MD,* Jin Li, MD, Yanhui Liu, MD

*These authors contributed equally to this work.

From the Department of Neurosurgery, West China Hospital, Sichuan University, Chengdu, P.R. China.

Author contributions: Zhi Gang Lan: study concept and design, acquisition of data. Mao Jun Chen: study supervision, study concept and design, critical revision of manuscript for intellectual content. Jin Li: acquisition of data, analysis and interpretation of data. Yanhui Liu: study concept and design.

Study funding: No targeted funding reported.

Disclosure: The authors report no disclosures relevant to the manuscript. Go to Neurology.org for full disclosures.

Correspondence to Dr. Chen: hxnuro@outlook.com

(A) Gross photograph of the specimen with pitch-black substances inside. (B) Wound repairing with split-skin graft.

1. Findler G, Hoffman HJ, Thomson HG, Becker L. Giant nevus of the scalp associated with intracranial pigmentation: case report. *J Neurosurg* 1981;54:108–112.
2. Garcia-Rabasco A, Marin-Bertolin S, Esteve-Martinez A, Alegre-de-Miquel V. Dermal melanocytosis of the scalp associated to intracranial melanoma: malignant blue nevus, neurocutaneous melanosis, or neurocristic cutaneous hamartoma? *Am J Dermatopathol* 2012;34:177–181.

Carry the Only Card that Helps Support the AAN—and Get a \$100 Cash Rewards Bonus!

Apply for the BankAmericard Cash Rewards™ credit card today to start getting more cash back for the things you buy most—plus a \$100 cash rewards bonus offer! Visit AAN.com/view/CashRewards and enter priority code “VACN51.”

Neurology®

Multidisciplinary treatment of a giant scalp nevus with intracranial extension

Zhi Gang Lan, Mao Jun Chen, Jin Li, et al.

Neurology 2016;87;2497-2498

DOI 10.1212/WNL.0000000000003412

This information is current as of December 5, 2016

Updated Information & Services	including high resolution figures, can be found at: http://n.neurology.org/content/87/23/2497.full
References	This article cites 2 articles, 0 of which you can access for free at: http://n.neurology.org/content/87/23/2497.full#ref-list-1
Subspecialty Collections	This article, along with others on similar topics, appears in the following collection(s): Primary brain tumor http://n.neurology.org/cgi/collection/primary_brain_tumor
Permissions & Licensing	Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at: http://www.neurology.org/about/about_the_journal#permissions
Reprints	Information about ordering reprints can be found online: http://n.neurology.org/subscribers/advertise

Neurology® is the official journal of the American Academy of Neurology. Published continuously since 1951, it is now a weekly with 48 issues per year. Copyright © 2016 American Academy of Neurology. All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.