Teaching Video NeuroImage: Subacute Hemichorea Secondary to Disseminated Cryptococcus Infection in an Immunocompetent Host

Mariana Hiromi Manoel Oku, MD, Carlos André Oshiro, MD, Cesar Castello Branco Lopes, MD, Michelle Abdo Paiva, MD, Bruno Guedes, MD, Marcia Rubia Rodrigues Gonçalves, MD, and Jacy Bezerra Parmera, MD, PhD

Neurology® 2022;99:36-37. doi:10.1212/WNL.0000000000200710

Correspondence
Mariana Hiromi Manoel Oku
mariana.hiromi@fm.usp.br

A 52-year-old immunocompetent man presented with a 2-month history of weight loss, fever, and headache associated with cutaneous lesions in his face and upper limbs. A month later, he developed left-sided hemichorea (Video 1). Laboratory investigation revealed a positive serum cryptococcal antigen hemagglutination test. Skin and lung biopsies identified Cryptococcus gattii. Brain MRI showed right caudate and internal capsule T2/FLAIR hyperintense lesions compatible with cryptococcomas (Figure). Cryptococcal infections occasionally present as neurocryptococcosis but rarely as hemichorea, especially in immunocompetent hosts. After induction therapy with IV amphotericin B plus flucytosine followed by voriconazole, hemichorea (Video 1) and neuroimaging (Figure) improved significantly.

Study Funding
No targeted funding reported.

From the Department of Neurology, Hospital das Clínicas, Faculdade de Medicina da Universidade de São Paulo (HC-FMUSP), São Paulo, SP, Brazil.

Go to Neurology.org/N for full disclosures. Funding information and disclosures deemed relevant by the authors, if any, are provided at the end of the article.
Disclosure
The authors report no disclosures relevant to the manuscript. Go to Neurology.org/N for full disclosures.

Publication History
Received by Neurology December 23, 2021. Accepted in final form March 24, 2022. Submitted and externally peer reviewed. The handling editor was Whitley Aamodt, MD, MPH.

Appendix

Appendix (continued)

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michelle Abdo Paiva, MD</td>
<td>Universidade de São Paulo, São Paulo, SP, BR</td>
<td>Acquisition, analysis, and interpretation of data; critical revision; supervision; and final approval</td>
</tr>
<tr>
<td>Cesar Castello Branco Lopes, MD</td>
<td>Universidade de São Paulo, São Paulo, SP, BR</td>
<td>Acquisition, analysis, and interpretation of data; critical revision; supervision; and final approval</td>
</tr>
<tr>
<td>Marcia Rubia Rodrigues Gonçalves, MD</td>
<td>Universidade de São Paulo, São Paulo, SP, BR</td>
<td>Critical revision; supervision; and final approval</td>
</tr>
<tr>
<td>Jacy Bezerra Parmera, MD, PhD</td>
<td>Universidade de São Paulo, São Paulo, SP, BR</td>
<td>Conception and design; acquisition, analysis, and interpretation of data; literature review; drafting of the manuscript and critical revision; supervision; and final approval</td>
</tr>
</tbody>
</table>

References

AAN Leadership Development Programs incorporate training, personalized coaching, and mentoring, that inspires and transforms neurologists into the change leaders of tomorrow. Explore the many AAN leadership programs at AAN.com/Lead.

The AAN Has Your Back!
Every day, the AAN is fighting for you. From actively lobbying members of Congress for common sense legislation, to meeting with regulators to demonstrate the value of neurology and reduce regulatory hassles, the Academy is forcefully countering any threats to your profession and patient access to care. Learn more at AAN.com/policy-and-guidelines, read the bimonthly Capitol Hill Report and monthly AANnews® member magazine, and respond to Advocacy Action Alert emails when we invite you to share your voice with Congress.
Get into the conversation at #AANAdvocacy.
Teaching Video NeuroImage: Subacute Hemichorea Secondary to Disseminated Cryptococcus Infection in an Immunocompetent Host
Mariana Hiromi Manoel Oku, Carlos André Oshiro, Cesar Castello Branco Lopes, et al.
Neurology 2022;99;36-37 Published Online before print May 6, 2022
DOI 10.1212/WNL.0000000000200710

This information is current as of May 6, 2022