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Introduction to oncology
staging CT

Sally Ayesa



(<https://radiopaedia.org/courses/featured-video>)

Central pontine myelinolysis (osmotic demyelination syndrome)



Case contributed by Yuliia Solodovnikova (/users/yuliia-solodovnikova)

Diagnosis certain

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✗ Citation, DOI, disclosures and case data

Citation:

Solodovnikova Y, Central pontine myelinolysis (osmotic demyelination syndrome). Case study, Radiopaedia.org (Accessed on 13 Jun 2023)
<https://doi.org/10.53347/rID-169460>

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169460

Disclosures:

At the time the case was submitted for publication Yuliia Solodovnikova had no financial relationships to ineligible companies (/articles/disclosures) to disclose.



View Yuliia Solodovnikova's current disclosures (/users/yuliia-solodovnikova)

Case created:

31 May 2023

Case published:

8 Jun 2023

Revisions:

6 times, by 3 contributors - see full revision history and disclosures (/cases/central-pontine-myelinolysis-osmotic-demyelination-syndrome/revisions)

Systems:

Central Nervous System (/articles/section/all/central-nervous-system)

Quiz mode:

Included

Presentation

Severe peripheral tetraparesis, predominantly in lower extremities, skew deviation (Hertwig-Magendie syndrome), sensory and cerebellar ataxia, head and intentional tremor, dysarthria, dysphonia, scanning speech, and dysfunction of pelvic organs. History of alcohol abuse.

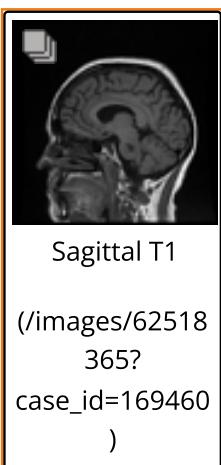
Patient Data

Age: 35 years

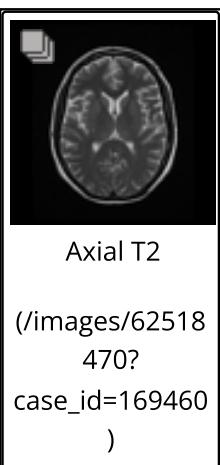
Gender: Female

MRI

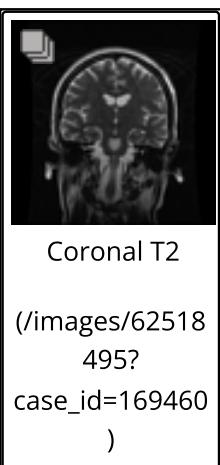
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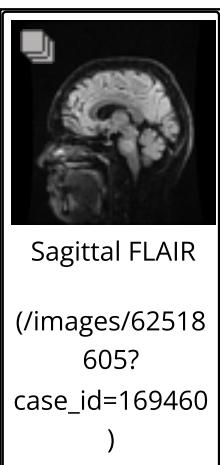
Sagittal T1

(/images/62518
365?
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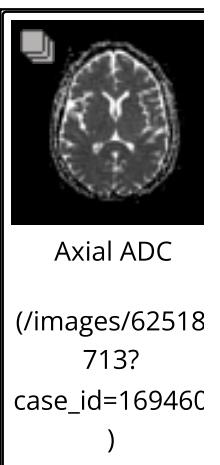
Axial T2

(/images/62518
470?
case_id=169460
)

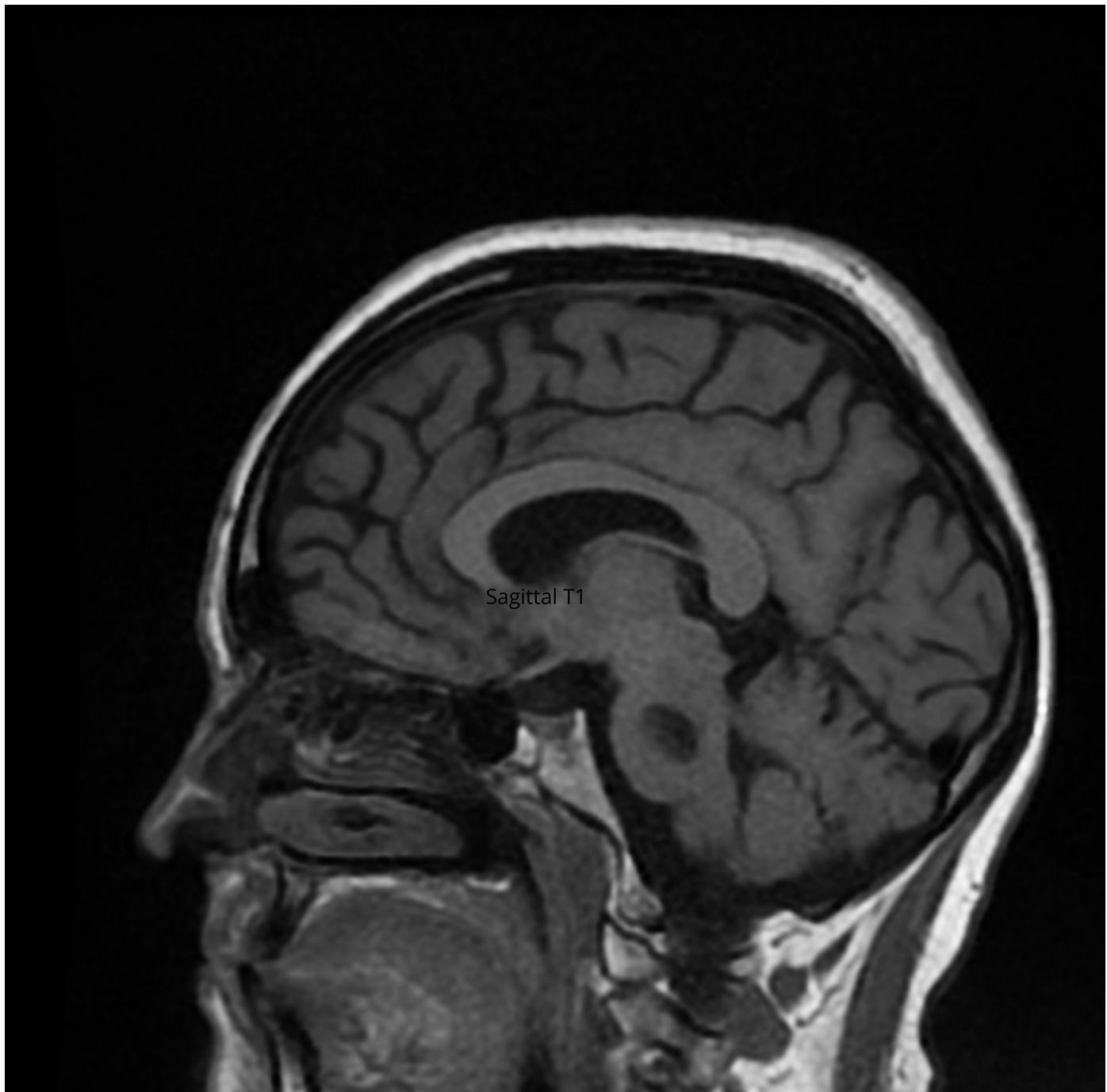
Coronal T2

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495?
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Sagittal FLAIR

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Axial ADC

(/images/62518
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)**MRI**

Sagittal T1

Case Discussion



The patient had a history of chronic alcohol abuse. After the last acute poisoning, she fell into a coma and was transported to ICU. In 5 days of infusive therapy, she was discharged with the symptoms written above.

Considering the history and typical radiological findings, the diagnosis of the central pontine myelinolysis (osmotic demyelination syndrome) seems obvious.

+ **4 public playlists include this case**

✗ **Related Radiopaedia articles**

- Central pontine myelinolysis (/articles/central-pontine-myelinolysis-2)
- Osmotic demyelination syndrome (/articles/osmotic-demyelination-syndrome)

✗ **Promoted articles** (advertising)

Using Virtual Reality Head-Mounted Displays to Assess Skills in Emergency Medicine: Validity Study

Marie Høxbro Knudsen et al., J Med Internet Res, 2023

Clinical Diabetes Video Series: Optimizing the Use of GLP-1RAs in Type 2 Diabetes

John Anderson et al., Clinical Diabetes

Clinical Diabetes CME: Optimizing the Use of GLP-1RAs in Type 2 Diabetes

John Anderson et al., Clinical Diabetes

CME Series: Optimizing the Use of GLP-1RAs in Type 2 Diabetes



John Anderson et al., Clinical Diabetes

Special Edition Podcast: Nonnutritive Sweeteners

Diabetes Core Update, 2023

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Acta Agriculturae Boreali-Sinica, 2017

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Yes

No

Case completeness

98% complete. Why not add:

Diagnostic certainty

Patient's presentation

Patient data

Study findings

Case discussion

MRI image sequences

Modality

Related articles

A couple of questions and answers



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- Use images in presentations (</articles/using-and-attributing-images-from-radiopaedia>)
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- Case creation learning pathway (</courses/help-creating-cases>)

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