Take-home message

- Cerebro-meningeal involvement is one of the serious forms of tuberculosis
- Cerebro-meningeal tuberculosis is rare in developed countries
- MRI allows detection of small lesions and their location

Possible complication

- Tuberculous meningitis
- Hydrocephalus (neurological pathology)
- Hemiplegia (paralysis)
- Consciousness disorders
- Dysarthria (motor speech disorder caused by brain damage)

Possible treatment

- Anti-bacillary treatment associated with corticosteroid therapy with a good clinical and radiological outcome
- Anti-inflammatory treatment
- Symptomatic treatment

In Olea Sphere®?

Brain Tumor module within Olea Sphere® provides quick access to all perfusion maps, ADC and anatomical exam sequences. Perfusion images with contrast agent injection (Perfusion module) or without (ASL module) can be very useful for detecting abnormalities. The combined analysis of the rBV, ADC and K2 (pic.1) of the enhanced part and the remote portion of the suspect zone makes it possible to rule out the differential diagnosis of glial tumor.

The fusion of anatomical images and calculated maps improves the visualization and the relevance of the analysis of the pathological zone. Olea Vision™ module provides good visualization and analysis of small lesions (pic.2).

The automatic display of the mid-sagittal plane makes it easier to compare with the contralateral side as well as to assess the subfalcine herniation.

Sources:


Did You Know?

Tuberculous meningitis

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Sources:


www.olea-medical.com

*ASL, IVIM and Olea Nova Move™ images show three different clinical cases. Olea Sphere™ V3.0 medical imaging post-processing software, is a medical device manufactured and marketed by Olea Medical. This medical device is reserved for health professionals. The software has been designed and manufactured according to the EN ISO 13485 quality management system. Read the instructions in the notice carefully before any use. Instructions for Use are available on http://www.olea-medical.com/en/Manufacturer: Olea Medical (France), Medical devices Class IIa / Notified body: CE 0459 LNE-GMED. N° 25 - April 2018 @OleaMedical #LSV #DYK