

## Oncology imaging

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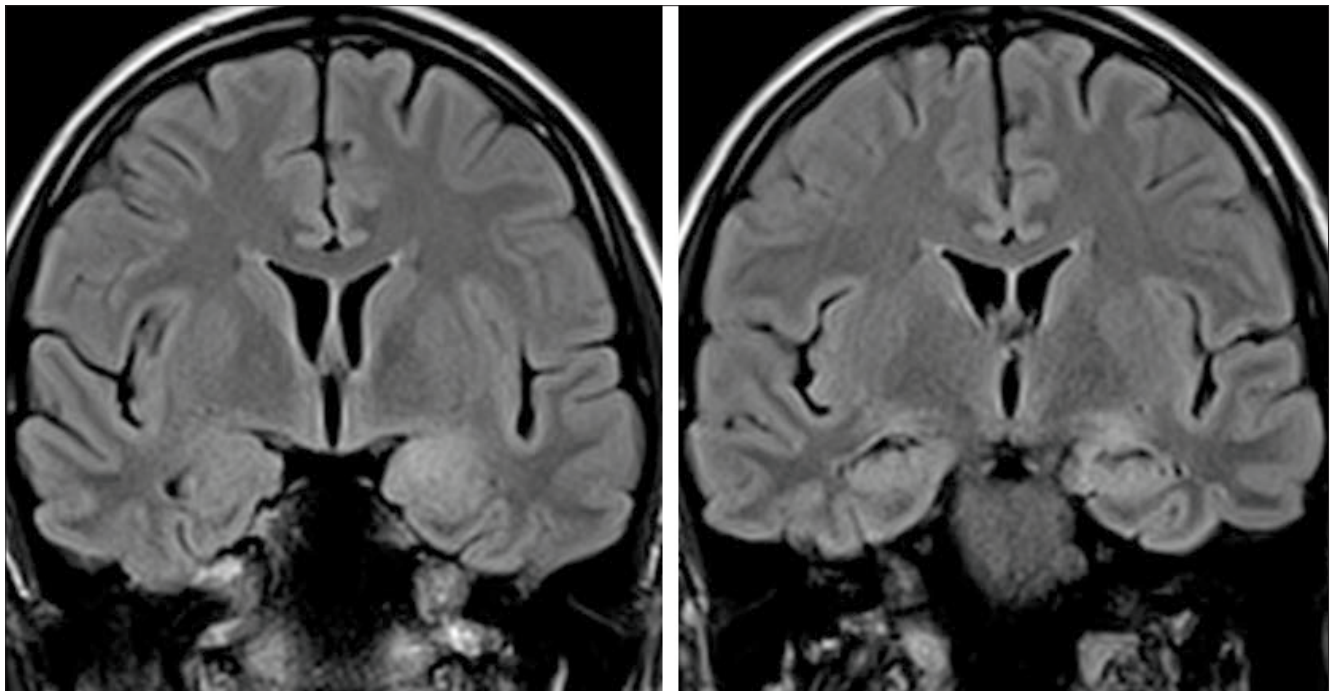
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A 27-year-old man presented with recent onset personality change, depression and cognitive impairment. His PACS folders revealed several prior and recent imaging studies.

Describe the relevant findings and formulate the most appropriate clinical diagnosis. Please submit your response to [misser@lakesmit.co.za](mailto:misser@lakesmit.co.za).

[co.za](mailto:misser@lakesmit.co.za) not later than 11 July 2013. The winning respondent will receive a R1 000 award from the RSSA. A detailed diagnosis and discussion will be presented in the next issue of the SAJR.

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Figs 1 (left) and 2 (right). Coronal FLAIR MR images at the level of the temporal lobes.

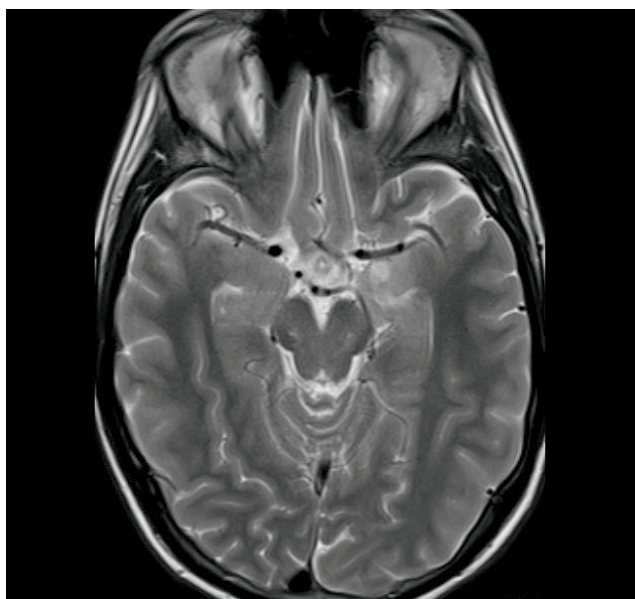


Fig. 3. Axial T2-weighted MR image at the level of the temporal lobes.

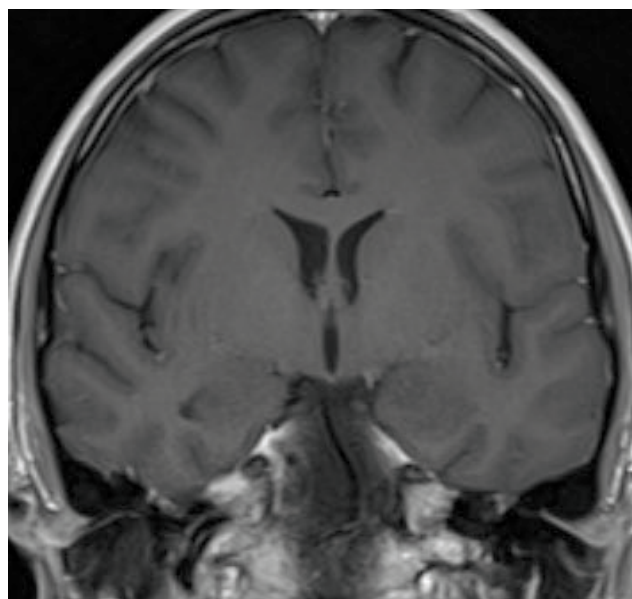


Fig. 4. Coronal post-gadolinium T1-weighted MR image at the level of the temporal lobes.



Fig. 5. Sagittal T2-weighted MRI image of the lumbar spine.



Fig. 6. Sagittal STIR-MR image of the lumbar spine.



Fig. 7. Sagittal T1-weighted post-gadolinium MR image of the lumbar spine.





Fig. 8. Axial CT scan image at the lung base level.

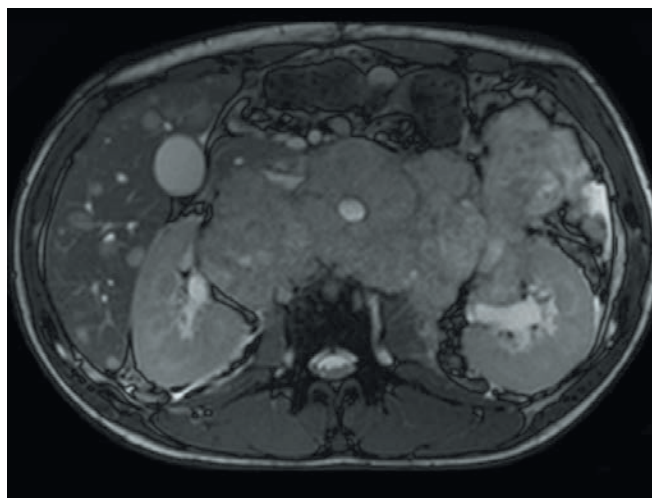


Fig. 9. Axial T2-weighted MR image at L1 vertebral level, adjacent to the renal hilar and segment 6 of the liver.

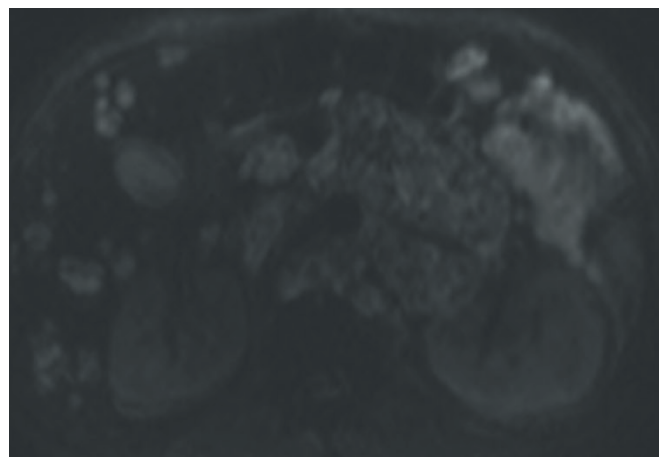


Fig. 10. Axial diffusion-weighted MR image at similar level as the above.

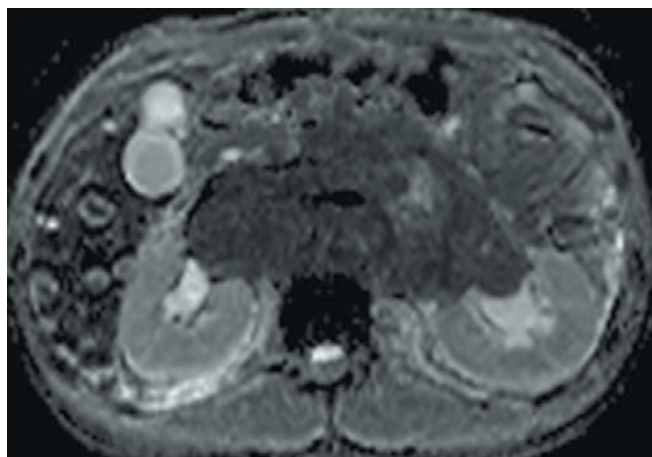


Fig. 11. Axial ADC map MR image at a slightly inferior level.

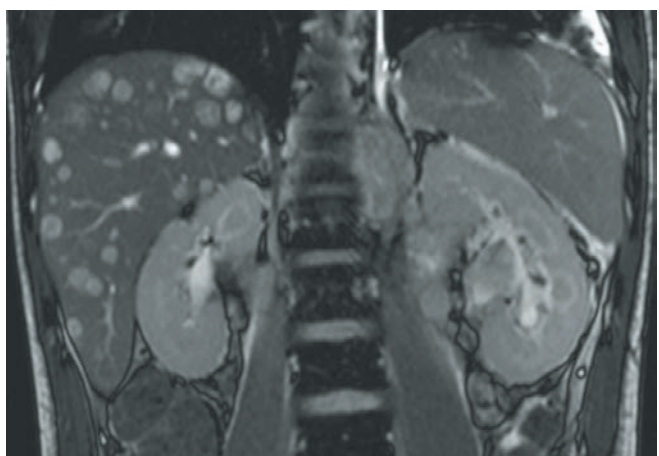


Fig. 12. Coronal T2-weighted MRI image at the epigastric region including costophrenic angles.

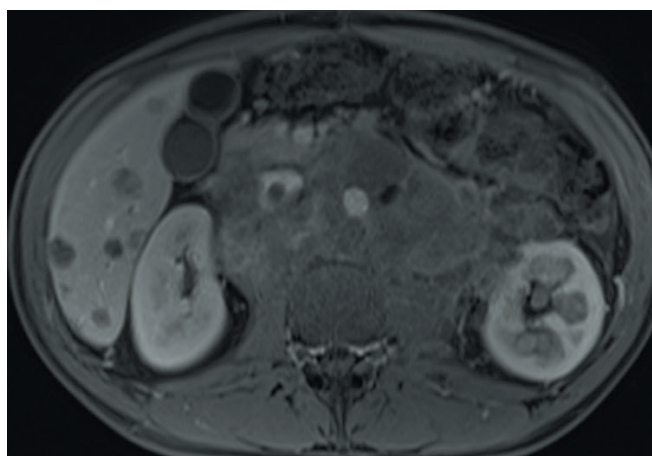


Fig. 13. Axial post-Primovist T1-weighted MR image at the level of segment 6 of the liver.