

3D FIESTA magnetic resonance imaging

The equivalent Siemens product is called [CISS](#).

3D-FIESTA magnetic resonance imaging(MRI)for the detection of [oculomotor nerve palsy](#) in a case of [pituitary apoplexy](#) revealed that the left [oculomotor nerve](#) was compressed by the cyst. He underwent transsphenoid tumor resection at 5 days after his hospitalization. Post-operative 3D-FIESTA MRI revealed decrease in compression of the left oculomotor nerve by the cyst. His left oculomotor palsy recovered completely within a few months. Oculomotor nerve palsy can occur due to various diseases, and 3D-FIESTA MRI is useful for detection of oculomotor nerve compression, especially in the field of [parasellar lesions](#) ¹⁾.

¹⁾

Yamauchi T, Kitai R, Neishi H, Tsunetoshi K, Matsuda K, Arishima H, Koderu T, Arai Y, Takeuchi H, Kikuta K. [Detection of Oculomotor Nerve Compression by 3D-FIESTA MRI in a Patient with Pituitary Apoplexy and Diabetes Mellitus]. No Shinkei Geka. 2014 Feb;42(2):137-42. Japanese. PubMed PMID: 24501187.

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