

q9985

A 61-year-old woman admitted for a left [basal ganglia tumor](#).

She was biopsied twice with inconclusive results. The NMR showed progression of the lesion, which went from a diffuse signal change in the [corpus callosum](#) and bilateral [frontal lobe](#) to the addition of an annular uptake zone at the level of the left GGB. The patient clinically presents with [abulia](#) and right [hemiparesis](#) 2/5 MSD and 3/5 MID that is slowly getting worse.

Studies have shown that in 2-15% of cases a [pathologic diagnosis](#) is not achieved ^{1) 2) 3) 4)}

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Bernays RL, Kollias SS, Khan N, Brandner S, Meier S, Yonekawa Y. [Histological yield](#), complications, and technological considerations in 114 consecutive [frameless stereotactic biopsy](#) procedures aided by open intraoperative magnetic resonance imaging. J Neurosurg. 2002;97:354-62.

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Fountas KN, Kapsalaki EZ, Smisson HF, 3rd, Hartman LP, Johnston KW, Robinson JS Jr. Results and complications from the use of a frameless stereotactic microscopic navigator system. Stereotact Funct Neurosurg. 1998;71:76-82.

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Gralla J, Nimsky C, Buchfelder M, Fahlbusch R, Ganslandt O. Frameless stereotactic brain biopsy procedures using the Stealth Station: Indications, accuracy and results. Zentralbl Neurochir. 2003;64:166-70.

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Heper AO, Erden E, Savas A, Ceyhan K, Erden I, Akyar S, Kanpolat Y, et al. An analysis of stereotactic biopsy of brain tumors and nonneoplastic lesions: A prospective clinicopathologic study. Surg Neurol. 2005;64(Suppl 2):S82-88

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