

# Santander

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Hernández-Hernández et al. evaluated the [bispectral index \(BIS\)](#) monitoring to detect [delayed cerebral ischemia \(DCI\)](#) after [aneurysmal subarachnoid hemorrhage \(aSAH\)](#).

BIS monitoring was recorded during 25-120 min in two periods, within the initial 72 h (BIS1) and between days 4 and 6 (BIS2) from admission. The median for each exported BIS parameter was analyzed. Transcranial Doppler (TCD) sonography was simultaneously performed with BIS1 (TCD1) and BIS2 (TCD2) monitoring. A multivariate logistic regression model was built to identify the variables associated with DCI.

**Results:** Sixty-four patients were included and 16 (25%) developed DCI. During BIS2 monitoring, significant differences were found in BIS value (left,  $p = 0.01$ ; right,  $p = 0.009$ ), 95% spectral edge frequency (left and right,  $p = 0.04$ ), and total power (left and right,  $p = 0.04$ ). In multivariable analysis, vasospasm on TCD2 (OR 42.8 [95% CI 3.1-573];  $p = 0.005$ ), a median BIS2 value <85 in one or both sides (OR 6.2 [95% CI 1.28-30];  $p = 0.023$ ), and age (OR 1.08 [95% CI 1.00-1.17];  $p = 0.04$ ) were associated with the development of DCI.

**Conclusions:** BIS value is the most useful BIS parameter for detecting DCI after aSAH. Pending further validation, BIS monitoring might be even more accurate than TCD <sup>1)</sup>

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## Endoscopic Histologic Mapping of a Mixed Germ Pineal Tumor.

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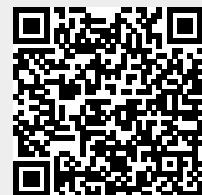
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