

Bambino Gesù Children's Hospital

Ospedale Pediatrico Bambino Gesù (Baby Jesus Paediatric Hospital) is a tertiary care academic children's [hospital](#) located in [Rome](#) that is under extraterritorial jurisdiction of the Holy See.

As a [Tertiary care center](#) children [referral center](#), the hospital provides over 20 specialties of healthcare through 10 pediatric departments. Its humanitarian program serves people in 16 countries on four continents.

Neurosurgery Unit, Department of Neurosciences.

Alessandro De Benedictis

Franco Randi

Giuseppe Ricci

Andrea Carai

Carlo Efsio Marras

[Alessandro De Benedictis](#) et al. from the [Bambino Gesù Children's Hospital](#), IRCCS, [Rome](#) described the case of a 17-yr-old patient who underwent resection of an epileptogenic [low-grade glioma](#) located within the left-dominant [lingual gyrus](#). [Seizures](#) were characterized, as a first symptom, by the right-sided simple [visual hallucination](#) that pointed to the left [pericalcarine region](#), corresponding to the lesion location. No signs of primary involvement of anterior temporal-mesial structures ([hippocampus/amygdala](#)) were found. As the anatomic-electroclinical correlation was concordant, direct tumor [removal](#) was indicated through an infra-occipital supratentorial approach. This route allowed direct access to the target through a safe extra-axial corridor, which limits intraparenchymal dissection until the tumor margin is identified and avoids critical vascular structures, such as the [vein of Labbé](#).

External [cerebrospinal fluid drainage](#) was used to facilitate [brain relaxation](#), minimizing brain and venous retraction and, consequently, reducing the risk of postoperative [neurological complications](#), especially for [vision](#). Postoperative [magnetic resonance imaging](#) (MRI) demonstrated no surgical complications. Pathological examination revealed a [ganglioglioma](#). At 9-mo follow-up, the neurological examination was normal, [antiepileptic therapy](#) was stopped, and the patient was seizure-free. The [video](#) describes the main surgical steps, using both intraoperative videos and advanced 3-dimensional modeling of neuroimaging pictures ¹⁾.

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