Teaching Neuro*Images*: Short stature, imperforate anus, and polydactyly
When is a hypothalamic mass an incidentaloma?

A 4-year-old girl with history of polydactyly and imperforate anus surgeries presented with short stature. Brain MRI revealed a large hypothalamic hamartoma (figure). Pallister-Hall syndrome (PHS) was diagnosed. Biopsy was not indicated given stable and typical tumoral appearance. Annual evaluations, hormonal replacement, and medical genetics consult were recommended. Compared to sporadic hypothalamic hamartoma, patients with PHS tend to be less symptomatic and have minimal tumor growth. The etiology is an autosomal dominant or de novo \(GLI3\) gene mutation. Neurologists and neuroradiologists should be familiar with PHS characteristics, surveillance, and symptomatic therapy as neurosurgery is not usually recommended.

**AUTHOR CONTRIBUTIONS**

Oana M. Dumitrascu: drafting/revising the manuscript, study concept or design, analysis or interpretation of data, accepts responsibility for conduct of research and final approval. Patrick Lyden: drafting/revising the manuscript, study concept or design, analysis or interpretation of data, accepts responsibility for conduct of research and final approval, study supervision. Moise Danielpour: drafting/revising the manuscript, study concept or design, analysis or interpretation of data, accepts responsibility for conduct of research and final approval, study supervision. Franklin Moser: drafting/revising the manuscript, study concept or design, analysis or interpretation of data, accepts responsibility for conduct of research and final approval, study supervision.

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**REFERENCES**

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