

Coarse facial features

Coarse facial features or coarse facies describes a constellation of facial features that are present in many inborn errors of metabolism.

A 12-year-old girl with a rare plurihormonal pituitary [macroadenoma](#) secreting [prolactin](#) (PRL), [growth hormone](#) (GH), [Thyroid stimulating hormone](#) (TSH), and [alpha subunit](#) (α -SU).

The patient experienced recurrent [headaches](#) and progressing [loss of vision](#) in one [eye](#). During the [examination](#), abnormalities such as tall stature, [coarse facial features](#), enlarged feet and hands, tachycardia, hand tremor, hyperhidrosis, galactorrhea, and goiter were observed. Head magnetic resonance imaging (MRI) revealed a solid tumor in the anterior and middle cranial fossa, measuring 80 × 50 × 55 mm. A stereotactic biopsy revealed plurihormonal Pit-1 positive pituitary neuroendocrine tumor secreting PRL, GH, and TSH. A pituitary hyperfunction with PRL, GH, TSH, and α -SU excess was diagnosed. The patient was successfully treated pharmacologically with dopamine agonists and somatostatin analogue, and a decrease of tumor volume (30%) was achieved.

When neurosurgery is not possible, long-term pharmacological treatment of Giant [plurihormonal pituitary neuroendocrine tumor](#) can be a safe and relatively effective alternative ¹⁾.

¹⁾

Moszczyńska E, Grajkowska W, Maksymowicz M, Malicka J, Szalecki M, Prokop-Piotrkowska M. [Giant plurihormonal pituitary neuroendocrine tumor](#) in a [child](#) - [case study](#). J Pediatr Endocrinol Metab. 2021 Jul 21. doi: 10.1515/jpem-2021-0094. Epub ahead of print. PMID: 34284528.

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