

## Congenital nasal pyriform aperture stenosis

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Congenital pyriform aperture stenosis represents an unusual cause of nasal obstruction in neonates and is caused by overgrowth of the nasal process of the maxilla. A pyriform aperture width of less than 11 mm (Fig. 1) is diagnostic [1]. Its clinical presentation is similar to that of bilateral choanal

atresia and may range from mild nasal obstruction to life-threatening asphyxia. Up to 63% of the patients have a solitary median incisor (Fig. 2), thought to represent a mild form of the holoprosencephaly spectrum [2], in which case MRI of the brain and chromosomal analysis are also indicated.



**Fig. 1** Axial CT at the level of the inferior meatus in a one-month old male. There is pyriform aperture narrowing with a maximum width of 5 mm (*asterisk*). There is bony overgrowth of the nasal processes of the maxilla (*arrows*)



**Fig. 2** Axial CT through the palate shows a single median incisor bud (*arrow*)

### References

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