

Anterior Sacral Meningocele Epidemiology

- Sacral Agenesis
- Factors affecting clean intermittent catheterization compliance among children and adolescents with neurogenic bladder due to spina bifida and caudal regression syndrome
- Analysis of the potential risk factors for defecation problems and their bowel management based on the long-term bowel function in patients with persistent cloaca: results of a nationwide survey in Japan
- Exome sequencing identifies variants in infants with sacral agenesis
- Specific birth defects in pregnancies of women with diabetes: National Birth Defects Prevention Study, 1997-2011
- Descriptive and risk factor analysis of nonsyndromic sacral agenesis: National Birth Defects Prevention Study, 1997-2011
- Dural ectasia in Marfan syndrome and other hereditary connective tissue disorders: a 10-year follow-up study
- Prevalence of temporal bone tegmen defects among patients with Marfan syndrome

Anterior Sacral Meningocele is an uncommon congenital abnormality ¹⁾

Sacral meningoceles represent approximately 20% of all meningoceles ²⁾

183 cases of anterior sacral meningocele were reported in the postnatal literature from 1837 to 1991. A Medline search from 1990 to April 2000 revealed other 24 cases.

anterior sacral meningocele involves mostly females with a reported incidence of 79% ³⁾.

It represents 2.8% of all presacral tumors in females ⁴⁾. No case of prenatal diagnosis was reported.

Most of the cases present in adult age and diagnoses in childhood are rare.

None of the more than 180 cases of anterior sacral meningocele reported in the past 150 years has been bilateral, and only two have been associated with occult intrasacral meningocele.

North et al. reported a unique case of bilateral anterior sacral cysts, communicating with the subarachnoid space, associated with occult intrasacral meningeal and perineurial (Tarlov's) cysts, in an asymptomatic woman ⁵⁾.

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Kamal MA, Eltayeb M, Coulter I, Jenkins A. Surgical management of anterior sacral meningoceles: an illustrated case series and review of the literature. Br J Neurosurg. 2023 Jan 3;1-7. doi: 10.1080/02688697.2022.2162852. Epub ahead of print. PMID: 36594268.

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Brinker M.R et.al. Myelomeningocele at the sacral level. Long-term outcomes in adults. 1994, J. Bone and Joint surg. 76-A ; 1293 – 1300.

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Kofinas AD et.al.. Anterior sacral meningocele in pregnancy. 1987, Obstet. Gynecol. 69 : 441- 4.

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Lee R.A and Symmonds R.E Presacral tumors in the female: Clinical presentation, surgical

management, and results. 1988, Obstet. Gynecol. 71; 216 - 220.

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North RB, Kidd DH, Wang H. Occult, bilateral anterior sacral and intrasacral meningeal and perineurial cysts: case report and review of the literature. Neurosurgery. 1990 Dec;27(6):981-6. doi: 10.1097/00006123-199012000-00020. PMID: 2274142.

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