

Anterior Sacral Meningocele Etiology

- Re: Factors affecting clean intermittent catheterization compliance among children and adolescents with neurogenic bladder due to spina bifida and caudal regression syndrome
- Ventral tethering-is the prognosis worse than in dorsal tethering in the dysraphic spine?
- Factors affecting clean intermittent catheterization compliance among children and adolescents with neurogenic bladder due to spina bifida and caudal regression syndrome
- Posterior median surgical approach to anterior sacral meningocele complicated by rectothecal fistula
- Posterior Surgical Ligation and Cyst Decompression -via Needle Puncture- of a Large Anterior Sacral Pelvic Meningocele Through Posterior Sacral Laminectomy
- Caudal regression syndrome type 1 with minimally invasive computed tomography and magnetic resonance imaging autopsy: a case report
- Allowing Standing and Assisted Steps in a Patient With Renshaw Type IV Sacral Agenesis: A Case Report of a Novel Surgical Approach
- 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

Secondary to agenesis of a portion of the anterior sacrum from failure of fusion of the sacrum with subsequent herniation of the sacrum meninges into the sacral hollow.

The meningocele may be acquired or congenital; the former is always a consequence of dura ectasia associated with Marfan syndrome, neurofibromatosis, minor trauma to the anterior sacrum, and Ehlers-Danlos syndrome, whereas most ASMs are congenital as illustrated by the familial clustering, age distribution, associated congenital disabilities, and part of Currarino triad ¹⁾

a) Congenital:

Sacral bone defect

Proliferation of arachnoid

Connective tissue disorders

b) Degenerative: Ischemic lesion

c) Traumatic: Nerve root avulsion or hemorrhage

d) Iatrogenic: During surgery ²⁾.

¹⁾

Shedid D, Roger EP, Benzel EC. Presacral meningocele: diagnosis and treatment. Semin Spine Surg 2006; 18:161-167.

²⁾

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:

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