

## Supplementary Material

# Primary Vaginal Stones in Pediatric Patients: A Review of Literature

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**Table 1: Cases of primary vaginal stones in pediatric patients**

| Article                | Age | Comorbidity  | Symptoms                                | Type of stone                                     | Size         | Management  |
|------------------------|-----|--|---|---|--------------|---|
| Miller [20]            | 17  | Spastic Quadriplegia   | Fever                                   | Struvite<br>Microstalline<br>carbonate<br>apatite | 4x4.1x2.5    | Undetermined  |
| Petrillo et al [16]    | 12  | Meningomyelocele   | Abdominal discomfort                    | Struvite  | 4x2.5        | Undetermined  |
| Bissada et al [21]     | 12  | Meningomyelocele   | Dribbling of foul-smelling urine        | Struvite  | 3x3          | Undetermined  |
| Sant et al [17]        | 9   | Incomplete L5-S1 lesion  | Urine dribbling                         | Struvite,<br>Apatite                              | Undetermined | Transvaginal extraction                             |
| Yoshimura et al [22]   | 11  | Cerebral infarction  | Recurrent uti, vaginal passage of stone | Struvite  | 4x3          | Transvaginal extraction                             |
| Cetinkursun et al [23] | 13  | Cerebral palsy   | Abdominal pain                          | Struvite<br>Micronate<br>apatite                  | 4x3          | Transvaginal extraction                             |
| Urbanowicz et al [24]  | 11  | Psychomotor retardation  | Recurrent UTI, palpable pelvic mass     | Struvite  | 6.5x3        | Transvaginal extraction                             |
| Jaspers et al [18]     | 5   | Spastic tetraplegia  | Recurrent UTI                           | Struvite  | 3x2<br>2x1   | Transvaginal disintegration using ultrasonic device |
| Tokgöz et al [25]      | 14  | Unidentified neurodegenerative disorder, kyphoscoliosis and decorticated posture | Uti, decreased po intake.               | Struvite  | 3.8x2        | Undetermined  |

**Table 2 Cases of primary vaginal stones in patients with urogenital abnormalities. Abbreviations: PVOO: Partial vaginal outlet obstruction.**

| Article             | Age | Urogenital abnormality                          | Symptoms                              | Composition        | Size         | Management                      |
|---------------------|-----|---|---------------------------------------|--------------------|--------------|---------------------------------|
| Eton et al [6]      | 7   | Ectopic ureter                                  | Vaginal soreness                      | Ammonium phosphate | 3cm          | Transvaginal extraction         |
| Venet et al [8]     | 11  | PVOO  | Recurrent uti, Bladder incontinence   | Struvite           | Undetermined | Lithotripsy under direct vision |
| Plaire et al [9]    | 4   | PVOO  | Bladder incontinence                  | Probably struvite  | Undetermined | Transvaginal extraction         |
| Plaire et al [7]    | 13  | PVOO  | Recurrent infection                   | Calcium phosphate  | Undetermined | Transvaginal extraction         |
| Liu et al [10]      | 14  | PVOO Urethrovaginal fistula                     | Urinary incontinence                  | Struvite           | 2x2          | Transperitoneal approach        |
| Chen et al [9]      | 12  | PVOO Vesicovaginal fistula                      | Dysuria                               | Struvite           | 7x8          | Transvaginal extraction         |
| Ogyzkurt et Al [11] | 6   | Imperforated Hymenoptera Urethrovaginal fistula | Fever, abdominal pain                 | Struvite           | 1.5x2.5      | Transvaginal extraction         |
| Gunes et al [12]    | 11  | Wide vaginal orifice                            | Spontaneous passage of vaginal stones | Struvite           | 1.5x1.5      | Transvaginal extraction         |
| Ranawaka et al [13] | 12  | Urogenital sinus anomaly                        | Abdominal pain                        | Undetermined       | 1.4x0.8      | Transvaginal extraction         |