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Answer: Anterior Dislocation of the coccyx

This is an anterior dislocation of the coccyx (**Figure 1**). The patient was admitted to the department of Orthopaedics. Under spinal anaesthesia, reduction of the coccyx per-rectum was attempted but failed. Patient was discharged with analgesics and advised avoid putting pressure on her coccyx for three weeks and regularly followed up in orthopaedic clinic. After six months of the incident, the patient had no further pain or tenderness in the coccyx region. The patient resumed all her activities normally without any discomfort.

Acute anterior dislocation of coccyx is extremely rare. In current literature, this type of dislocation occurs sporadically following some form of accidental fall or trauma to the sacral region and treatment are usually either closed or open reduction of the fracture or conservatively with analgesia.^{1,2,3} The result of both types of treatment are reported to be satisfactory.

Kim et al. reported a closed reduction of the dislocation using a joy stick technique

new technique have shown promising results. Fang et al. reported the 56 cases of fracture dislocation of coccyx with the application of both open reduction and internal fixation (ORIF) and closed reduction methods with similarly good results.³

Coccygeal instability and coccydynia are also common complications after dislocation or fracture dislocation of the coccyx.⁴ Surgical resection for such complications of coccygeal fracture is still controversial, with intractable post-traumatic coccydynia being an indication to surgery and results after the surgical resection are not very encouraging.⁴

Our patient agreed for a trial of closed manipulation under anaesthesia, failing which she refused for further surgical intervention and opted for conservatively treatment with analgesia and rest. The later is just as effective although recovery time may be prolonged.

CONCLUSION

Coccyxal dislocation is an extremely rare and can be treated conservatively with excellent result.

REFERENCES

- 1: Bergkamp AB, Verhaar JA. Dislocation of the coccyx: a case report. *J Bone Joint Surg Br* 1995;77:831-832.
 - 2: Kim WY, Han CW, Kim YH. Joystick reduction and percutaneous pinning for an acutely anteriorly dislocated coccyx: a case report. *J Orthop Trauma* 2004;18:388-9.
 - 3: Fang HB, Xu HH, Fang HL, Zhang YL, Liu ZZ, Wang FX, Zou QY. Open reduction and mini-plate internal fixation for the treatment of fracture and dislocation of coccyx. *Zhongguo Gu Shang* 2013 ; 26:549-52.
 - 4: Ramieri A, Domenicucci M, Cellocco P, Miscusi M, Costanzo G. Acute traumatic instability of the coccyx: results in 28 consecutive coccygectomies. *Eur Spine J* 2013;22:S939-44.
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