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Answer: Diastasis of the pubis symphysis

The pubic symphysis is a secondary cartilage like joint classified as amphiarthrosi which is covered by a layer of hyaline cartilage with an interposed, softer fibrocartilaginous disc acting as a buffer.¹ It has very limited movements except under hormonal stimulation during the third trimester of pregnancy or during labour when the two pubic bone progressively move apart to accommodate delivery of the fetus.² In normal conditions these movements are in the range of 0.5-1 mm.³ Starting from the seventh month of pregnancy, a widening of the sacro-iliac joint and the pubic symphysis occurs. A diastasis of the pubic symphysis after delivery can be a painful complication that causes serious distress to the patient.⁴

Clinically, the patient complains of pain, with swelling and sometimes deformity appearing in the involved area. In some cases it is possible to hear a clicking sound when the patient walks.⁵ The diagnostic test for this condition is an anteroposterior radiograph of the pelvis. Many advocate the conservative treatment which consists of lying in a hammock (placed above the bed), lateral decubitus bed rest, a pelvic girdle, walking aids, progressive mobilization, pelvic binder or , pelvic traction.⁶

The pain increases when manual pressure is applied to the pelvis in a latero-lateral and antero-posterior direction. If the dislocation is severe it can be accompanied by shock. A small percentage of patients can develop chronic pain requiring a surgical intervention of debridement or a pubic symphysis fusion.⁷

REFERENCES

- 1: Nandani M, Nandani P. Physiotherapy strategies for a woman with symphysis pubis diastasis (SPD) after normal vaginal birth: Case study. *Indian J Physi Ther* 2014;2(2):3-6.
 - 2: Islam MA, Ali MA, Beg A et al. Post partum diastasis of the pubic symphysis: a case report. *Community Based Med J* 2013;2(1):73-5.
 - 3: Dunbar RP. Puerperal diastasis of the pubic symphysis. A case report. *J Reprod Med* 2002;47:581-3.
 - 4: Seth S, Das B, Salhan S. A severe case of pubicsymphysisdiastasis in pregnancy. *Eur J ObstetGynecolReprodBiol* 2003; 106:230-2.
 - 5: Shim JH, Oh DW. Case report: Physiotherapy strategies for a woman with symphysis pubis diastasis occurring during labour. *Physiotherapy.* 2012;98:89-91.
 - 6: Aslan E, Fynes M. Symphyseal pelvic dysfunction. *Curr Opin Obstet Gynecol.* 2007;19:133-9.
 - 7: Hou Z, Riehl JT, Smith WR, Strohecker KA, Maloney PJ. Severe postpartum disruption of the pelvic ring: Report of two cases and review of the literature. *Patient Saf Surg.* 2011;5:2.
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