



Revista Internacional de
Andrología

www.elsevier.es/andrologia



CASE REPORT

Pelvic chondro-sarcoma and erectile dysfunction: A challenging surgical case

Sameh Fayek GamalEl Din^{a,*}, Ahmed Fathy Abo Sief^{b,a}, Emad Awny Fawzy^{a,c},
Mohamed Abd El Fatah^a, Wessam Gamal Abo Senna^a

^a Cairo University, Egypt

^b Beni-Suef University, Egypt

^c Specialist of Andrology & Dermatology, Ministry of Health, Egypt

Received 28 October 2016; accepted 24 February 2017

KEYWORDS

Pelvic
chondro-sarcoma;
Erectile Dysfunction;
Surgical technique

Abstract A 46 year-old male presented suffering from refractory erectile dysfunction. The patient had a past history of pelvic chondro-sarcoma. This case was a challenge for us; the surgery performed for excision of the sarcoma has resulted in the elimination of both pubic ramia together with excision of part of both corpora and left hemiscrotum. The procedure included a sling application on one side with a mesh sock wrapped around the rear part of the extensor cylinder. Another sling was applied on the contra lateral side without a mesh sock.

© 2017 Asociación Española de Andrología, Medicina Sexual y Reproductiva. Published by Elsevier España, S.L.U. All rights reserved.

PALABRAS CLAVE

Condrosarcoma de la
pelvis;
Disfunción eréctil;
Técnica quirúrgica

Chondro-sarcoma pélvico y la disfunción eréctil: un desafiante caso quirúrgico

Resumen Varón de 46 años que presenta el sufrimiento por disfunción eréctil refractaria. El paciente tenía antecedentes de condro sarcoma pélvico. Este caso fue un reto para nosotros; la cirugía realizada para la extirpación del sarcoma ha dado como resultado la eliminación de ambas ramas púbicas junto con la extirpación de parte de ambos corpus y hemiscrotum izquierdo. El procedimiento incluyó una aplicación de eslinga en uno de los lados con una funda de malla envolviendo la parte trasera del cilindro extensor. Se aplicó otra eslinga en el lado contra lateral sin una funda de malla.

© 2017 Asociación Española de Andrología, Medicina Sexual y Reproductiva. Publicado por Elsevier España, S.L.U. Todos los derechos reservados.

* Corresponding author.

E-mail address: samehfayek@hotmail.com (S.F. GamalEl Din).

<http://dx.doi.org/10.1016/j.androl.2017.02.006>

1698-031X/© 2017 Asociación Española de Andrología, Medicina Sexual y Reproductiva. Published by Elsevier España, S.L.U. All rights reserved.

Please cite this article in press as: GamalEl Din SF, et al. Pelvic chondro-sarcoma and erectile dysfunction: A challenging surgical case. Rev Int Androl. 2017. <http://dx.doi.org/10.1016/j.androl.2017.02.006>

Introduction

Chondrosarcoma is the second most common malignant tumor of bone. It is characterized by tumor cells producing cartilage matrix. The estimated incidence of chondrosarcoma is 1 in 200,000 per year.¹ A variety of histological types with diverse clinical behavior have been described, with conventional types being the most common. The sites of predilection of the skeleton are pelvis, femur and proximal humerus.² Survival in chondrosarcoma has remained unchanged over the last 30 years with no significant improvement as emphasized in Surveillance, Epidemiology, and End Results (SEER) database study.¹ Chondrosarcoma of axial skeleton revealed poorer oncologic outcomes than appendicular skeleton.^{1,3,4} Guder et al. (2015) had shown that a wide tumor resection is essential in the therapy of primary malignant bone tumors to minimize the risk of local recurrence and ensure long-term survival particularly in chondrosarcoma.⁵

Case report

We are hereby to present this 46 year-old male, known to have multiple hereditary exostosis, a genetic disorder characterized by multiple bone osteochondromata. One of them started to enlarge progressively. The patient also suffered from difficulties in urination and pain with erection as result of this mass. He sought medical advice for his condition. An x ray and MRI were done for him (Fig. 1). His condition necessitated wide bone and soft tissue resection. The patient was admitted on to Kasr Al-Ainy Hospital, the Orthopedic Department, Cairo University on the 20th April 2015.

The surgical approach was extraperitoneal and is detailed as follow, an ilioinguinal incision was done with both abdominus recti diverted, and the bladder was protected. Both pubic rami of adductors were released. Bony excisions were done including symphysis pubis, superior and inferior pubi rami on both sides. The whole symphysis and both pubic rami were resected. The tumor was, also, adherent to both corpora cavernosa which necessitated excision of part of the corpora on both sides. Histopathology revealed chondrosarcoma on top of exostosis.



Figure 1 X-ray for diagnosis of the swelling.

Discussion

The case was challenging because of the distorted surgical anatomy of this patient following extensive bone and soft tissue excision. The X-ray before penile prosthesis showed absence of ischial tuberosities on both sides. The Shortened corpora made the implant vulnerable to posterior perforation during sexual intercourse making the choice of inserting hydraulic implant impossible. Additionally, post-operative instruction to the patient so as not to lift heavy objects and to wear scrotal suspensory in the absence of the left hemiscrotum made the insertion of the pump impossible as it would induce pressure on the pelvis. The patient underwent the operation on 7/2/2016 at the Andrology Surgical Unit, Kasr Al-Ainy Hospital, Faculty of medicine, Cairo University. In the surgical procedure, we used TUBE malleable semi rigid penile implant (Promedon). The approach was penoscrotal incision followed by dissection of buck's fascia and finally a corporotomy incision 4 cm long to facilitate insertion of both rods. The length of both cylinders was 15.5 cm in addition to 0.5 cm extenders.

The girth of both cylinders was 12. Interestingly, we did not find any resistance during dilation of both corpora. However, both copora ended abruptly proximally. This intraoperative finding obliged us to use a prolene mesh (PROLENE® Polypropylene Mesh – Ethicon Inc) as a sock

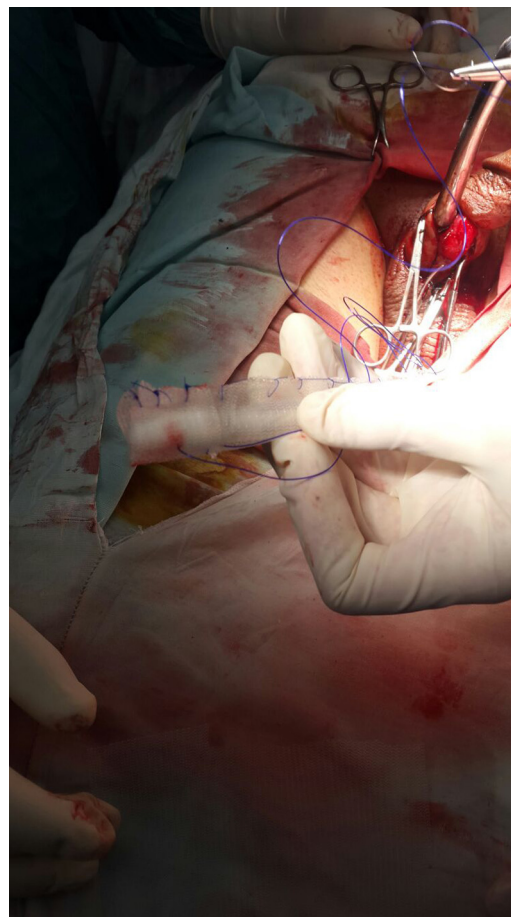


Figure 2 Intraoperative photo showed our surgical technique.

Download English Version:

<https://daneshyari.com/en/article/7271341>

Download Persian Version:

<https://daneshyari.com/article/7271341>

[Daneshyari.com](https://daneshyari.com)