

(MD)

(MD)

(MD)
(MD)

(BS)

(MD)

: *

dr_mehrafza@yahoo.com:

// : // :

(% /)
:(% /)

/ :

IVF

.()

(%) (%)

.()

()
()

IVP

IVP

+

/ / /

% :

% :

()

%

()

() Dupuytren

Abbe

Bannister Mc Indoe .

()

%

pudental

gracilis myocutaneous flaps fapsU fasciocutaneous

labiaminora falps

()

Zafar

()

Donnez Nisolle

()

()

()

()

()

()

1. Lin WC, Chang CY, Shen YY, Tsai HD. Use Of Autologous Buccal Mucosa For Vaginoplasty: A Study Of Eight Cases. *Hum Reprod* 2003; 18(3):604-7.
2. Panici PB, Bellati F, Boni T, Francescangeli F, Frati L, Marchese C. Vaginoplasty Using Autologous In Vitro Cultured Vaginal Tissue In A Patient With Mayer-Von-Rokitansky-Kuster-Hauser Syndrome. *Hum Reprod* 2007; 22(7): 2025-8.
3. Ahangchian M. The First Successful Vaginoplasty with McIndo Method by Using Rigid Vaginal form and Amnion Graft in Patient with Congenital Vaginal agenesis. *Zanjan University of Medical Sciences* 2000; 91-93.
4. Bulsa M, Rzepka-Górska I, Malecha J, Uzar A, Błogowska A. [Congenital Agenesis Of Vagina And Cervix]. *Ginekol Pol* 2002;73(2):124-7.
5. Chatterjee SR. Two Case Reports on Vaginoplasty In Cases Of Congenital Absence Of Vagina. *J Indian Med Assoc* 2003; 101(10): 606-7.
6. Hyde SE, Hacker NF. Vaginal Reconstruction in The Fibrotic Pelvis. *Aust N Z J Obstet Gynaecol* 1999; 39(4): 448-53.
7. Hensle TW, Seaman EK. Vaginal Reconstruction In Children And Adults. *Tech Urol* 1995; 1(4):174-80.
8. Mhaskar R. Amniotic Membrane For Cervical Reconstruction. *Int J Gynaecol Obstet* 2005; 90(2): 123-7.
9. Tillem SM, Stock JA, Hanna MK. Vaginal Construction In Children. *J Urol* 1998; 160(1): 186-90.
10. Del Rossi C, Attanasio A, Del Curto S, D'Agostino S, De Castro R. Treatment Of Vaginal Atresia At A Missionary Hospital In Bangladesh: Results And Follow Up Of 20 Cases. *J Urol* 2003;170(3):864-6.
11. Moudouni S, Koutani A, Attya AI, Hachimi M, Lakrissa A. The Use Of Isolated Sigmoid Colon Segment For Vaginal Replacement In Young Adults. *Int Urol Nephrol* 2004; 36(4):567-71.
12. Sánchez Contreras J, Pasos Romero I, Celio Mancera J, Hernández Vivar LE. [Surgical Correction Of Vaginal Agenesis]. *Ginecol Obstet Mex* 2006; 74(1):37-47.
13. Zafar M, Saeed S, Kant B, Murtaza B, Dar MF, Khan NA. Use Of Amnion In Vaginoplasty For Vaginal Atresia. *J Coll Physicians Surg Pak* 2007; 17(2):107-9.
14. Nisolle M, Donnez J. Vaginoplasty Using Amniotic Membranes In Cases Of Vaginal Agenesis Or After Vaginectomy. *J Gynecol Surg* 1992 ;8(1):25-30.

Survey the Amnion Graft in Treatment of Congenital Absence of the Vagina

*Mehrafza M.(MD)¹- Oudi M.(BS)¹- Abdollahian P.(MD)¹- Mohammad tabaar Z.(MD)¹- Shadmani K. (MD)¹-
Nikpouri Z.(MD)¹

*Corresponding Address: Mehr Institute, Ershad St., Shahid Ansari Blv., Rasht, IRAN

E-mail: dr_mehrafza@yahoo.com

Received: 12/Mar/2009 Accepted: 11/Oct/2009

Abstract

Introduction: Vaginal atresia can be congenital or acquired. Absence of a functional vagina can lead to primary or secondary amenorrhea and haematometra.

Objective: Survey the Amnion Graft in Treatment of Congenital Absence of the Vagina.

Materials and Methods: In this study, 14 cases of vaginal agenesis between 1997 until 2008 years were analyzed. The amnion membrane of elective cesarean section was kept in new space using a 20ml syringe covered by sponge or elastic band as a mould. Patients with vaginal agenesis underwent vaginoplasty using amniotic membrane grafts according to Frank method.

Result: Twelve patients had Mayer-von-Rokitansky-Kuster-Hauser syndrome (MRKHS) and others (2) had vaginal agenesis with normal functional uterus. All patients were between 20 and 26 years old. Regular menstrual periods were observed in two patients that had normal uterus one month after operation. The follow-up pelvic ultrasonography was normal. After operation one of the 14 patients (7.1%) developed vaginal stenosis; that were corrected with sexual intercourse. All of married patients were satisfied of sexual function. The incidences of urologic abnormalities were (21.4%): congenital horseshoe kidney found in two patients and one patient had only one kidney. Stenosis of the vagina was reported in one patient. All patients achieved a good outcome

Conclusion: Using amniotic membrane as an allograft for vaginal reconstruction showed very good outcome with a resultant good caliber new vagina.

Key words: Amnion/ Vaginal Diseases

Journal of Guilan University of Medical Sciences, No: 73, Pages: 61-65