

17th World Congress of the Academy of Human Reproduction

15–18 March 2017
Rome, Italy

TITLE

STRATEGY FOR REPEATED ASSISTED REPRODUCTIVE TECHNOLOGY FAILURES ASSOCIATED WITH HYDROSALPINX

AUTHOR/S

Kurotsuchi S (JP) [1]

ABSTRACT

[Objective] This retrospective study aimed to evaluate the reproductive outcomes of infertile patients who underwent laparoscopic surgery for hydrosalpinx and propose a strategy for repeated assisted reproductive technology failures (r-ART-f) associated with hydrosalpinx.

[Methods] From 2010 to 2014, 32 infertile patients with bilateral tubal obstruction were included in this study. Among these, nine patients underwent laparoscopic surgery because of r-ART-f (seven salpingectomies and two salpingostomies). The clinical records of the patients who conceived after surgery were investigated.

[Results] The severity of hydrosalpinx of salpingectomy included four patients with ≥ 25 -mm diameter of hydrosalpinx and three with < 25 -mm diameter, whereas all that of salpingostomy were vaginal ultrasound scan (US)-non-visible. In patients with r-ART-f, all patients who underwent salpingectomy had recurrent implantation failures with high quality blastocysts (HQB), while one was recurrent implantation failure with HQB and the other difficulty of acquirement of HQB in salpingostomy cases. [Case1] A 35-year-old nulliparous woman with severe hydrosalpinx diagnosed by not only hysterosalpingography (HSG) but US. The patient failed to conceive repeatedly, despite HQB were transferred. Salpingectomy was performed. The patient conceived in the first blastocyst transfer after surgery. [Case2] A 26-year-old nulliparous woman failed to conceive repeatedly in ART. HQB were not obtained in the past three cycles of ART. Hydrosalpinx was diagnosed as mild degree because it was not visible in US but only in HSG. The patient conceived spontaneously two months after salpingostomy.

[Conclusion] The therapeutic strategies must be decided in consideration of both the severity of hydrosalpinx and the type of r-ART-f.

INSTITUTE

[1] Tokoname City Hospital