

**Bénéfice of hysteroscopy for implantation failure with endometrial scratch and biopsy prior to ART second attempt, an Algerian retrospective experience".
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Abstract ID : 2545
Submitted by : the 2017-01-31 23:25:19
Category : SEUD CONGRESS 2
Typology : Communication orale / Oral communication
Status : Validated
Authorisation to disclose : Yes/Oui

Abstract

Introduction :

Implantation failure is a common indication for hysteroscopy with endometrial scratch and biopsy .The management of superficial adenomyosis, endometritis and other potential findings can improve ART out come and reduce the rate of implantation failure.

Preoperative uterus screening is widely done with the use of 3D ultrasound and hysterosonography but endometrial screening is less obvious unless intrauterine lesion exceed 5mm .Hysteroscopic examination of uterine cavity and targeted biopsy help improving the screening results.

In case of implantation failure , uterine cavity examination using hysteroscopy as well as endometrial biopsy should always be offered before a second attempt of ART.

Objectives

We report our experience in the benefice of uterine cavity examination with hysteroscopy and endometrial scratch and biopsy.

Methods

All patients who had a hysteroscopic examination of the uterine cavity as well as a endometrial scratch and a biopsy between January 2015 and December 2016 prior to a second ART attempt were included in this retrospective study

Results

More than 300 patients were enrolled. All patients were infertile or seeking conception by ART

Before hysteroscopy , all patients underwent transvaginal ultrasound and a third had 3D-transvaginal ultrasound examination with the use of saline contrast sonohysterography.

All patients had a hysteroscopy examination and a endometrial scratch and biopsy .Other intrauterin abnormalities have also been treated in the same procedure such as polyps,myomas , septum.....when found.

The aim of this study is to evaluate our technique, the results , complications and the impact of hysteroscopic examination of the uterine cavity with endometrial scratch and biopsy on futher ART results for these couples.

Conclusion

Implantation failure is a common reason for ART failure. Hysteroscopy with endometrial scratch and endometrial biopsy should always be offered to the couple prior to further infertility treatment .The hysteroscopic examination of the uterus cavity as well endometrial scratch and biopsy are safe,feasible and improve ART outcome.

Keywords : ART , implantation failure,hysteroscopy,endometrial biopsy , endometrial scratch

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