

The 4th Misurata scientific meeting of infertility

Benghazi – Libya

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Misurata

GENERAL FACTS ABOUT
INFERTILITY
MANAGEMENT

Questions & Answers

Fill in blanks

In IVF lab. inspection of the oocyte for the presence of confirms that fertilization has taken place .

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In fetal reduction , in experienced hands the risk of losing the entire pregnancy from selective fetal reduction is less than%.

In fetal reduction , in experienced hands the risk of losing the entire pregnancy from selective fetal reduction is less than **10** %.

Elevated FSH levels , indicative of decreased ovarian response result from a failure of aging ovaries to produce

Elevated FSH levels , indicative of decreased ovarian response result from a failure of aging ovaries to produce **inhibin** .

Natural cycle in vitro fertilization has a delivery rate per retrieval of approximately %.

Natural cycle in vitro fertilization has a delivery rate per retrieval of approximately 6 %.

Risks of hyperstimulation can be decreased by
..... used to
initiate the cycle .

Risks of hyperstimulation can be decreased by **lowering the dose of gonadotrophins** used to initiate the cycle .

Assisted hatching consists of making an opening in the to help the embryo emerge .

Assisted hatching consists of making an opening in the **zona pellucida** to help the embryo emerge .

Pregnancies resulting from different IVF programs

- Can be ectopic in about % of cases .
- Can be multiple in % of cases .
.....% twins &% triplets or more .

Pregnancies resulting from different IVF programs

Can be ectopic in absent **5 %** of cases .

Can be multiple in **30 %** of cases.
25% twins & **5%** triplets or more.

..... % of infertility is wholly or in part due to a male factor .

40 % of infertility is wholly or in part due to a male factor .

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TRUE OR FALSE

Over the last 40 years there is evidence
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in men .

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(True)

There is no age related decline in spermatogenesis that results in some decline in male fertility .

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(False)

Hormone treatment of infertile males who do not have an endocrine disorder is sometimes useful .

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(True)

IVF success rates should be reported in terms of the number of live births per retrieval.

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(True)

Patients with an antral follicles count less than 5 usually have poor ovarian response to stimulation .

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(True)

Different stimulation regimes are useful in improving the ovarian stimulation in poor responders .

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(False)

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Fertility is reduced with increasing age of women because of a decreasing number of oocytes. The following statement(s) concerning oocyte biology this is/are true:

- (a) There is no loss of oocytes before birth.
- (b) The total number of oocytes both declines bi-exponentially with age and the loss accelerates around the age of 37 years .
- (c) Genetic factors are more important than environmental factors in determining the decline in the number of oocytes .
- (d) Alterations in the neuroendocrine control with advancing age suggest a central contribution to the decline in the oocyte number.
- (e) Recent evidence suggests that ovarian stem cells are present in humans and are able to replenish the pool of primordial follicles .

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- (c) Genetic factors are more important than environmental factors in determining the decline in the number of oocytes. (T)
- (d) Alterations in the neuroendocrine control with advancing age suggest a central contribution to the decline in the oocyte number. (T)
- (e) Recent evidence suggests that ovarian stem cells are present in humans and are able to replenish the pool of primordial follicles . (F)

Regarding the ovarian response to stimulation prior to ART:

- (a) Women with better ovarian response have higher pregnancy rate .
- (b) Serum FSH concentration in the early follicular phase is a good predictor of pregnancy .
- (c) Antral follicle count is best correlated with the age of women.
- (d) Patients with an antral follicle count less than 5 usually have poor ovarian response to stimulation.
- (e) The role of ovarian stromal blood flow in the prediction of ovarian response is well proven.

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Male factor infertility:

- a. Can be associated with genetic disorders.
- b. Is not important in most infertile couples.
- c. Is best diagnosed by examining the male for a varicocoele.
- d. Requires intracytoplasmic sperm injection (ICSI) for treatment.
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Which of the following pathogenesis can be associated with severe oligozoospermia and azoospermia:

- a. Bilateral congenital absence of the vas deference .
- b. Microdeletion of the Y chromosome.
- c. Cystic Fibrosis .
- d. Erectile dysfunction .
- e. Klinefelter's syndrome (47, XXY).

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A tropical island with palm trees and turquoise water. The island is covered in dense green palm trees and is surrounded by clear, shallow turquoise water. The sky is bright blue with a few scattered white clouds. The word "Thanks" is written in large, white, bold letters across the bottom half of the image.

Thanks