

EDITORIAL

In Vitro Fertilization: Importance of Anesthetic Agent on Oocytes

Infertility is the main barrier to maintain inheritance. A child makes a bond between husband and wife or family. Infertility is not a mental disorder or manmade creature. It is a physical problem by being born or acquired. Either husband or wife, anyone can have this problem. Since ancient times, there are many procedures to solve this problem by medicine or by surgery. Nowadays, IVF procedure is the scientific and modern treatment for an infertile couple. In our country there are IVF centers like other countries of the world. It is important to raise human awareness and give information about the treatment procedure. The government should be involved in surveying the honesty of these centers as well as financial and social aspects. Anesthesia is also involved with this IVF procedure. In this centre, anesthesia is given as a day case. For this, a patient should be carefully examined. If there is any co-existing disease, those should be taken under treatment seriously. For giving anesthesia in this type of isolated centre patient selection, the equipment, manpower and postoperative support should be strictly maintained.

Pre-anaesthetic checkup is mandatory before anesthesia. It is a screening procedure. This procedure gives an idea about the co-existing disease of a patient. On the other hand, patients with co-existing diseases will find out the anaesthetic procedure, which will be suitable for that patient. At the same time, treatment will be given to control those diseases and will make the patient fit for operation. It should be beared in mind that in the day case center how much risk should be taken to perform operation and anesthesia.

It should be considered what types of anaesthesia are given in different types of patients. To pickup ovum, general anaesthesia or regional anaesthesia both are possible. Both have different merits and demerits. By considering the patient's condition, perfect anaesthetic should be taken.

All anaesthetic agents are not suitable for ovum pickup. What type of anaesthetic agents are used should be under consideration. Drugs like gaseous agents (N_2O) are harmful for ovum maturity. The use of Halothene or Isoflurane should be considered in mind, because they have bad influence on ovum development. At last, we hope that, this type of study and observation will make awareness among the professionals and people in future, and will disseminate various types of new problems and their solutions.

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