Assignment

[Name of the Writer]

[Name of the Institution]

Assignment

-**IVF (Continuation):**

**1. Implantation Genetic Diagnosis PGD**

**a) Description**

Implantation Genetic Diagnosis PGD or Pre-Implantation Genetic Diagnosis PGD is the process in which the human embryo is scrutinized for its genetic quality. It is just like quality control of the embryo (Cioffi, 2019).

**b) Bioethical Analysis**

The process of Pre-Implantation Genetic Diagnosis (PGD) enables the doctors to check the genetic quality of the human embryo being used for reproduction. It also allows the couples to choose the gender of the baby, so most of the couples go for a male child for their firstborns, which is completely unethical.

**2. Surrogate Motherhood**

**a) Description**

Surrogate motherhood refers to the process of renting the womb of another woman for carrying on the pregnancy for a couple. The couple pays for complete expenses incurred during the pregnancy and the sperm and egg may and may not come from the couple.

**b) Bioethical Analysis**

Although surrogate motherhood is legal and it is being carried on in today’s world at a large level but it is still unethical because it denies the child his or her basic right of being connected with their mother in the very early stages of their life.

**3. Artificial Insemination**

**a) Description**

Artificial Insemination refers to the process of assisting fertilization instead of substituting it. In this process, the fertilization is in vivo and not in vitro, and it happens at the actual place where it should take place.

**b) Bioethical analysis**

The process of Artificial Insemination is a fair and natural process to much extent but it poses a little unethicality in the terms that it does not allow the natural selection of the sperms. The chances of natural selection are very low.

**4. Natural Family Planning**

Natural Family Planning, as the name suggests, is a natural process that to have a baby or not to have a baby. It is the manipulation of human intercourse and human intimacy and a totally safe and healthy alternative to contraception. This method is specifically significant as there is nothing artificial involved in it.

**5. 3 Primary Ovulation Symptoms:**

There are 10 symptoms in which a female body can detect ovulation. 3 out of those 10 are primary symptoms and the remaining 7 are secondary symptoms. The 3 primary symptoms are directly related to the process of ovulation and are listed as follows:

1. Basal Body Temperature (BBT)
2. Cervix Activity
3. Cervical Mucus

**6. 7 Secondary Ovulation Symptoms:**

The seven secondary ovulation symptoms exhibited by the body of a human female are:

1. Mittelschmerz
2. Spotting
3. Swollen Vagina and/or Vulva
4. Increased Libido
5. Breast Tenderness
6. General Bloating
7. Ferning

**7. Various Protocols and Methods Available Today**

Some of the major protocols and methods available today are as follows:

* Creighton Model (NaPro Technology)
* Couple to Couple
* Sympto-Thermal Method
* Billings Method
* Family of the Americas (Based on Billings)

**8. Some Ways in Which NFP Is More Healthy Than Contraception.**

Natural Family Planning **(**NFP) is a much healthier option or procedure than contraception as both husband and wife have the choice of starting a family. No matter how much the couple or female is keeping a track of her ovulation or no matter how much intimate their relationship is, if there is no respect and dignity in the relationship, things won’t work out between them.

**9. Bioethical Evaluation of NFP.**

Natural Family Planning (NFP) is used both as a means and as an end, goal or objective.

1. As a means
2. As an end, goal or objective

If it is being used as a means, it is totally ok because there is no artificial interference and it is being used as a procreative process. But if it is used as an end or a goal or objective it is unethical.

**References**

Cioffi, A. (Producer), & Cioffi, A. (Director). (2019). *BIO 602 2 16 19 NFP* [Motion Picture]. Retrieved April 10, 2019, from https://www.youtube.com/watch?v=aT32dyViGZQ&feature=youtu.be