



kairuki_ivf



MEDICAL CPD HOUSE
Better Medical Knowledge and Skills



KH GIVF

TRAINING ON INFERTILITY AND ASSISTED REPRODUCTION

AT KAIRUKI GREEN IVF

BUNJU 'A' MIANZINI

DAR ES SALAAM, TANZANIA

16 & 17th SEPTEMBER

TOPIC: QUALITY ASSURANCE IN ASSISTED REPRODUCTIVE TECHNOLOGY (ART)

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OUTLINE

1. INTRODUCTION OF QUALITY ASSURANCE IN ART
2. PRINCIPLES AND ROLES OF QUALITY ASSURANCE OFFICER
3. KEY PERFORMANCE INDICATORS

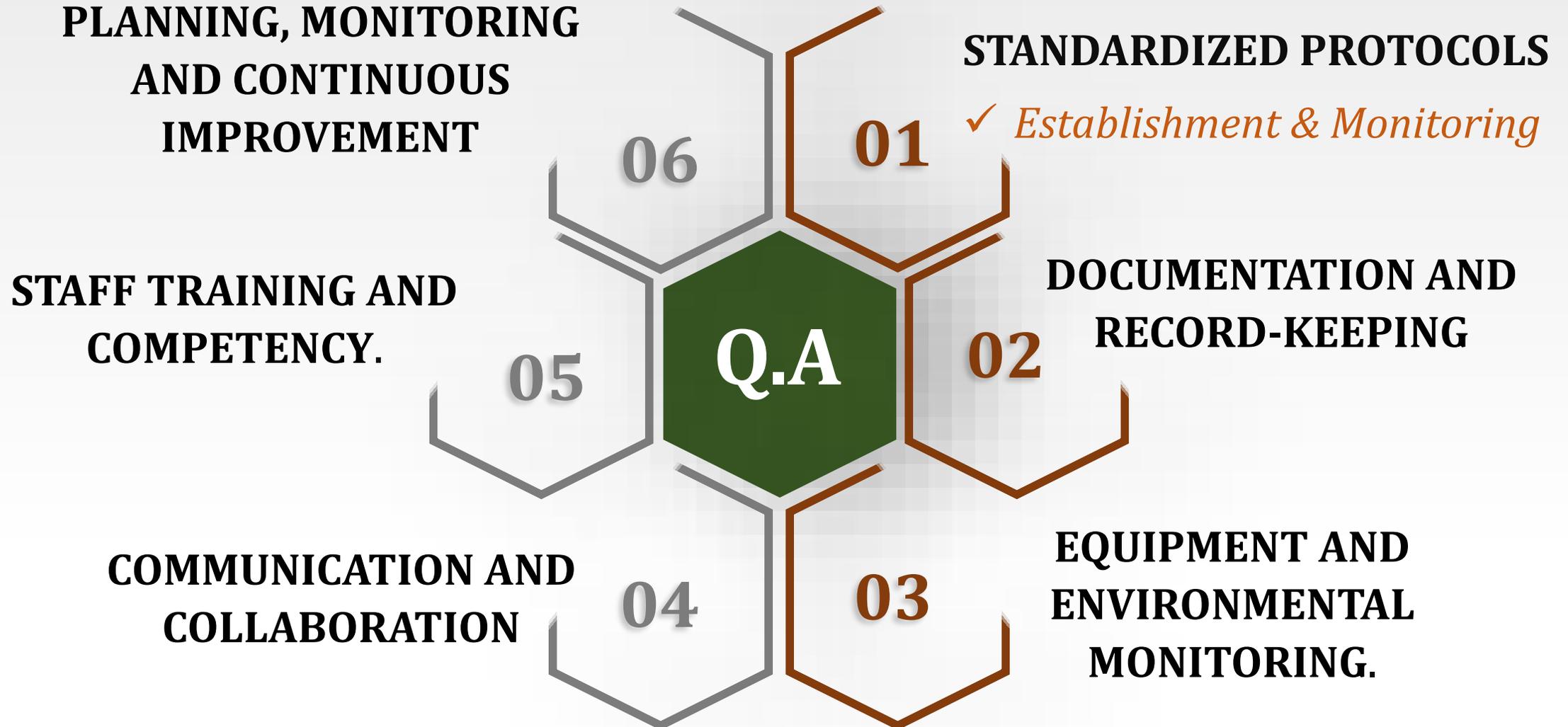
Quality assurance in ART;

Refers to a comprehensive system of processes, protocols, and measures put in place to ensure that all aspects of ART procedures are conducted at the highest possible standard.

The goal of quality assurance in ART

- To improve the safety, effectiveness, and consistency of treatments while adhering to ethical, legal, and regulatory requirements

Principles of Quality Assurance in ART



WHAT QUALITY ASSURANCE OFFICERS DO IN THE IVF LAB?



Before Procedure

Quality Assurance officer ensures;

- **Proper working Equipment** and all requirements are available.
- **Proper Protocol** to be used is present.
- **Favourable Environment**(Temperature, Humidity and VOCs) for procedure.
- Backup power
- **Client identification** (e.g. name, age, and sex).



During Procedure

Quality Assurance officer ensures;

- **SOPs are properly followed.**
- **Proper labelling, packaging and transfer of all samples e.g.**
 - Oocyte Pick up
 - Semen collection and analysis
 - Embryo transfer
 - Gamete and Embryo (freezing and Thawing).



After procedure

Quality Assurance officer ensures;

- **Proper handling of clients.**
- Cleaning/ Disinfection of;
 - Equipment/Instruments used.
 - Place where the procedure was done.
- Proper disposal of wastes.



*Accurate Documentation and Keeping Records
is **a must** in each **procedure**.*

Benefits of Quality Assurance in ART

- ✓ Maintain the **optimal** laboratory/departmental performance & **consistency**.
- ✓ Ensures **Safety** of Clients, Personnel and Equipment.
- ✓ Detect problems before they become significant (Risk Management).
- ✓ Evaluating personnel performance and **facility progress**.

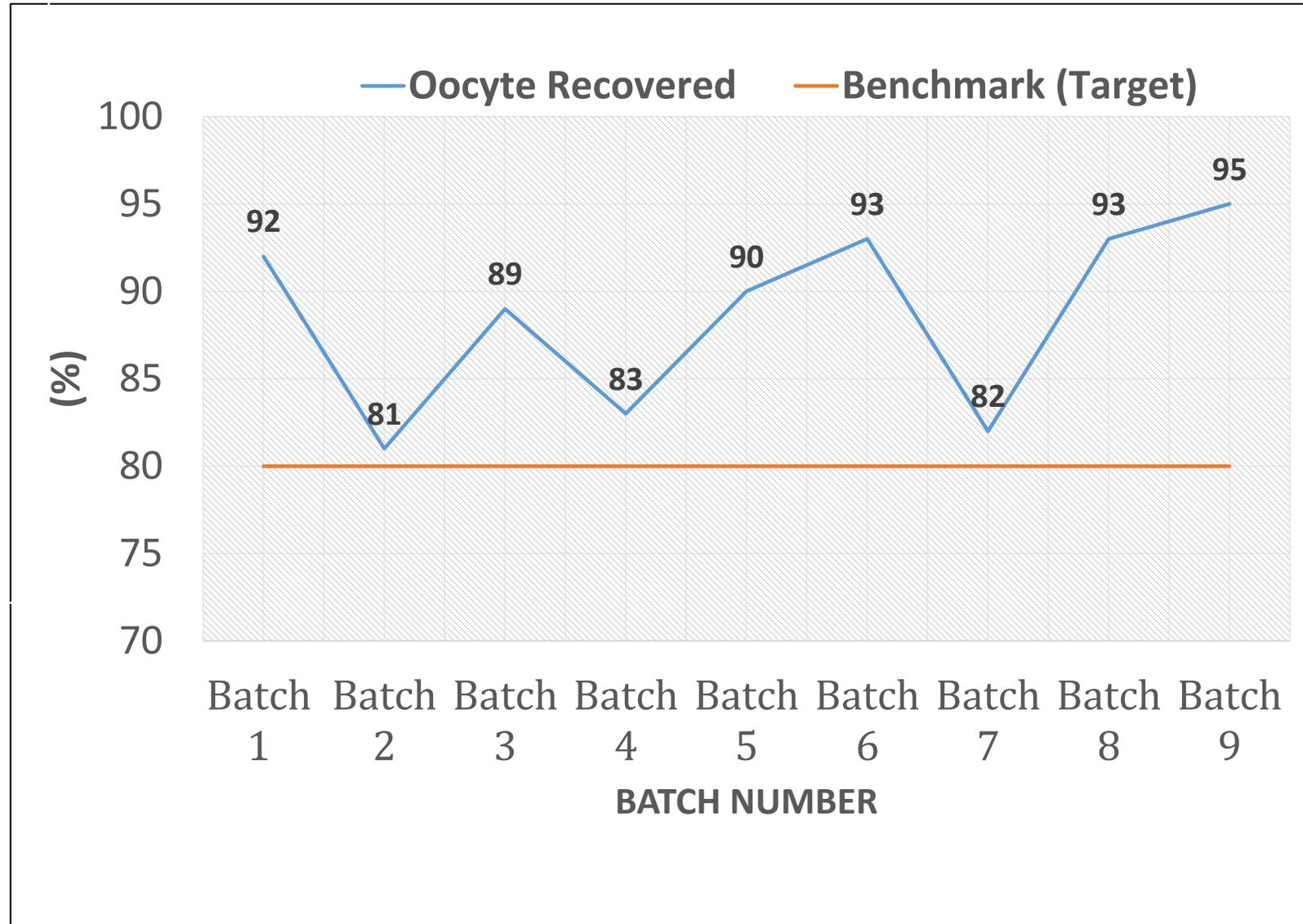
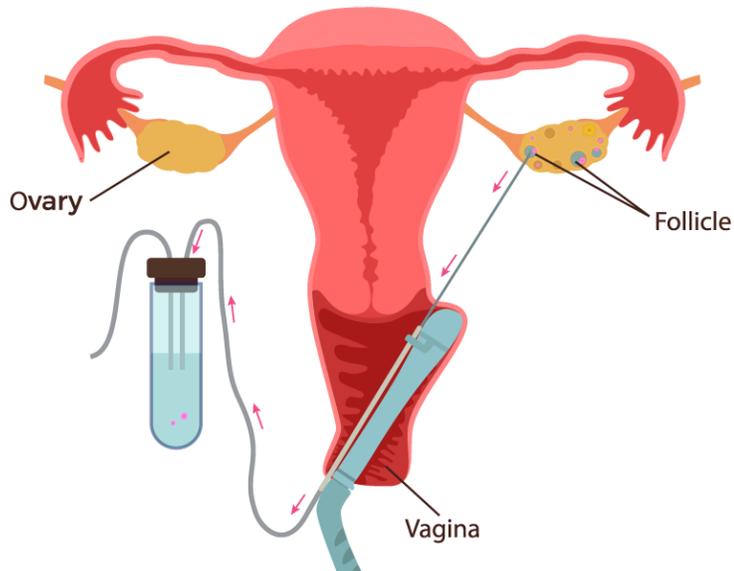
KEY PERFORMANCE INDICATORS (KPIs) EVALUATION IN IVF LAB.

KPIs are measurable values that IVF Lab/Clinic use to evaluate their success in achieving a specific goal or objective. The following are **our KPIs**.



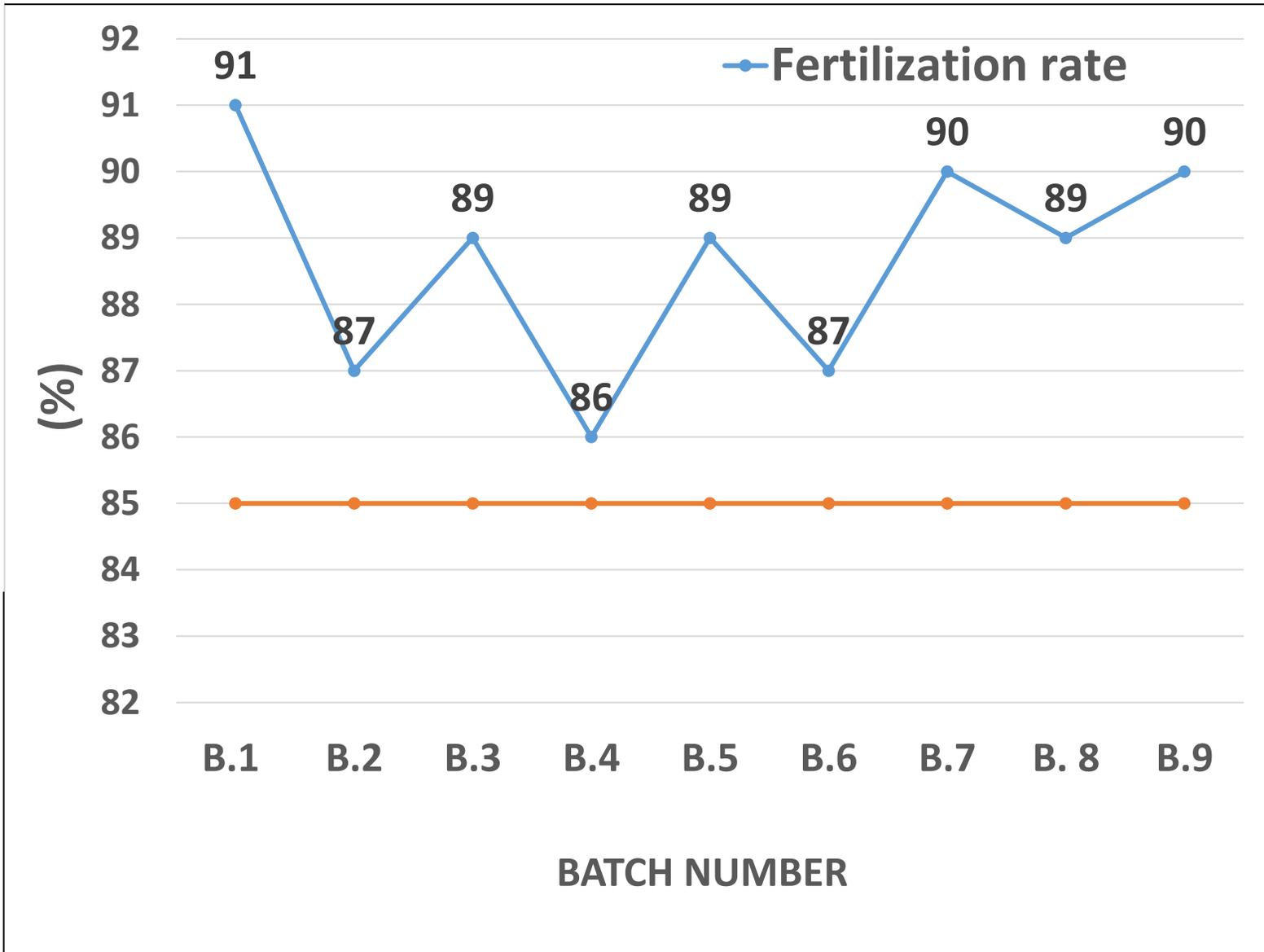
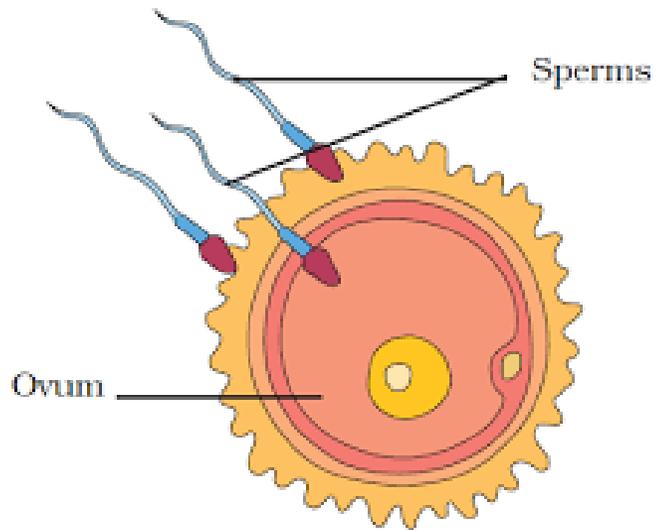
1. OOCYTE RECOVERED

The average percentage is **88.7%**. This includes all complete batches



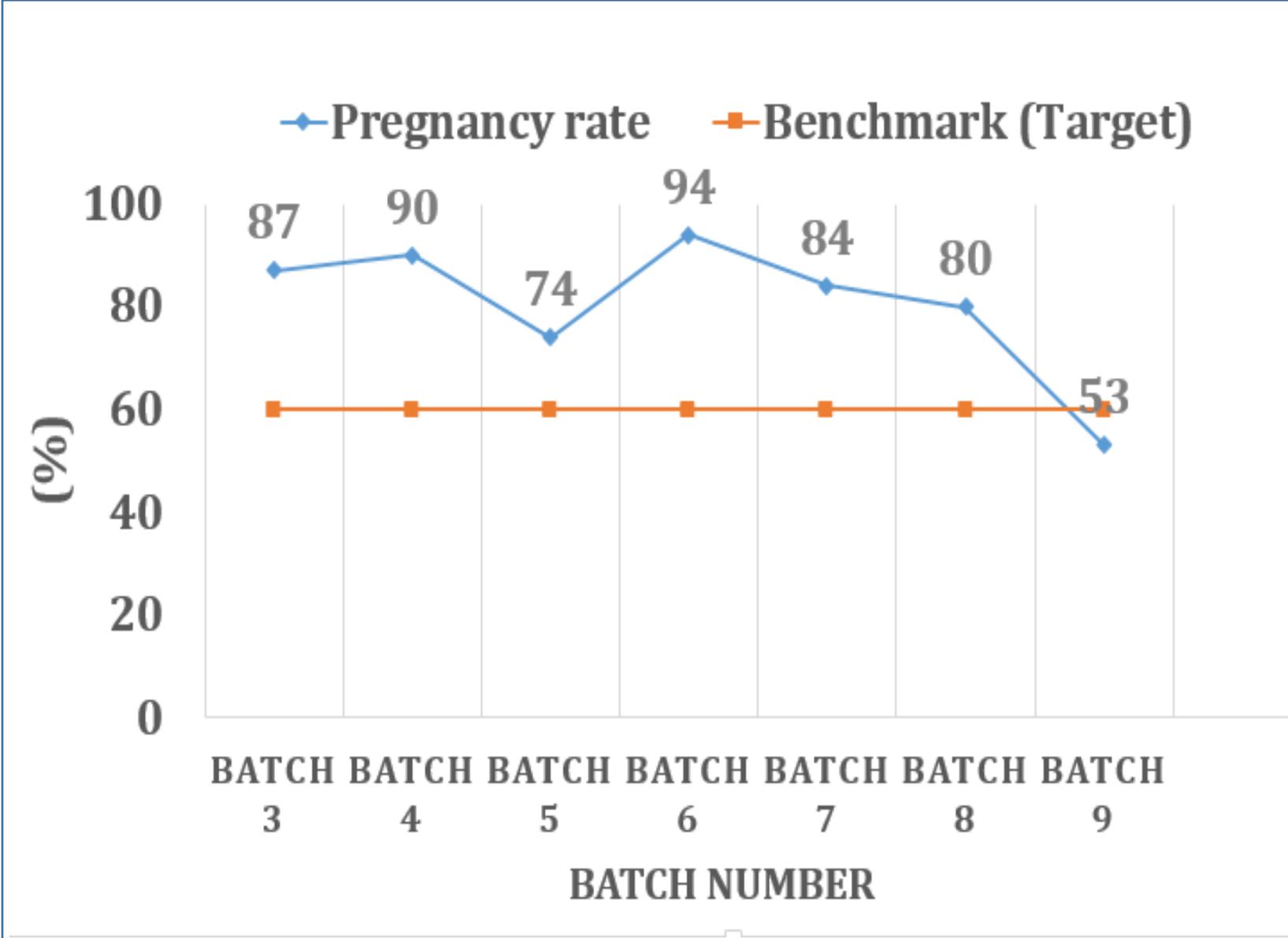
2. FERTILIZATION RATE

The average percentage is **89%**. This includes all complete batches



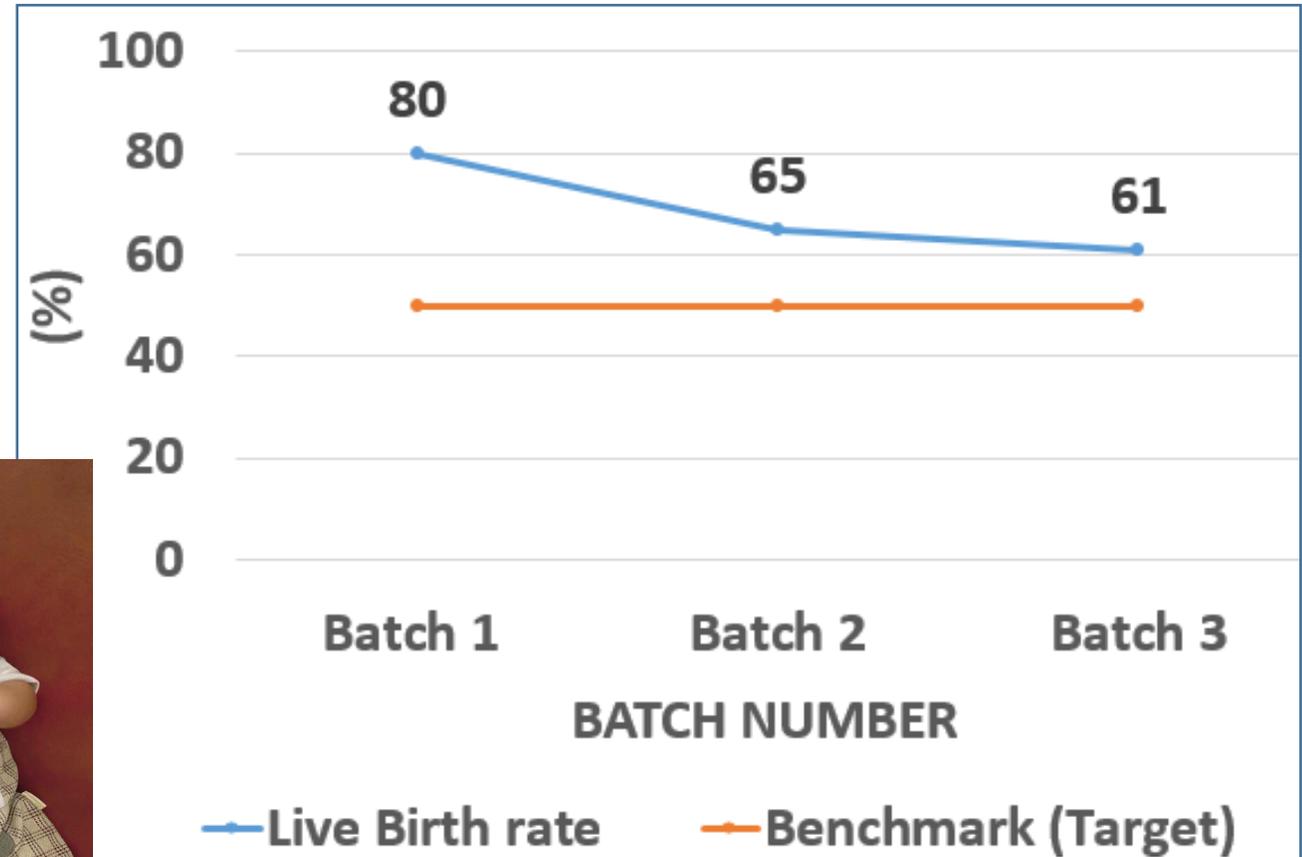
3. PREGNANCY RATE

The average percentage is **62%**. This includes both complete and ongoing batches



4. LIVE BIRTH RATE (TAKE HOME BABIES)

The average percentage is **68.7%**. This includes both complete and ongoing batches



CONCLUSION

- ❑ Quality assurance is very important in ART.
- ❑ Congratulations to my IVF team for a nice progress.

THANK YOU



HAPPY FAMILY