INTERACTIVE CLINICAL CASE - Focus on Embryo Care
Theory aside: case reports

OVERVIEW

One of the toughest challenges in the IVF laboratory is to set up reproducible and efficient systems to obtain and identify embryos that have the highest possibility of development and implantation. Different methods are used worldwide for this purpose, and one of the most advanced IVF procedures, preimplantation genetic testing (PGT), which involves extended culture and embryo biopsy protocols, is increasing in importance. Over the years, scientific progress in the field of human reproduction has led to improvements in embryology procedures and these continue to enhance clinical outcomes. Scientific evidence, however, has recently highlighted some factors and laboratory conditions (including sperm source, choice of culture media, embryo micromanipulation and biopsy technique), that negatively affect embryo development. Such findings suggest that the identification and control of critical points during embryological procedures play central, important roles in IVF success.

LEARNING OBJECTIVES

By attending this activity, participants will:

- Improve their ability to evaluate embryo development
- Recognize the critical steps in laboratory procedures
- Learn how to avoid impairing embryo development
- Gain greater knowledge of preimplantation embryo development
- Evaluate the role of new IVF technologies in routine clinical activity
- Understand the potential of artificial intelligence in embryology

TARGET AUDIENCE

This activity is designed for clinicians and embryologists involved in laboratory procedures that culture and select human embryos for implantation.

LANGUAGE

The official language of this educational activity is English.

FACULTY

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31 January 2022

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