

# Review of: "Ensuring Fetal Well-being in Oman: Advocating Optimal Fetal Monitoring for Sustainable Maternal and Child Health"

Rinaldo Zanini<sup>1</sup>

<sup>1</sup> Istituto Giannina Gaslini

Potential competing interests: No potential competing interests to declare.

The health of the foetus and the mother/newborn diad depends on many factors and many actions.

At all times, the correct tools and the elements of treatment must be chosen and kept, conceptually, separated from the tools of prevention.

CTG is the most widely used foetal well-being monitoring tool during the labour phase, little used for monitoring and control during pregnancy if not in well-defined situations of foetal disease.

This document is well written but in a school style. It could be used correctly to teach and share knowledge about the use of the CTG, or as a chapter of a textbook.

The work describes the general principles of the CTG. I am not able to assess, from a technical point of view, what has been written because I am not a CTG expert.

However, I can say that the central point of the issue, in my opinion, is the monitoring of the correct use of the instrument with the development of specific indicators on the frequency and correctness of the route reading and the consistency between the assessment made and the actions taken during labour and delivery.

For example, evaluate how many women have a CTG track compared to all deliveries. Define the relationship between defined pathological CTGs and the total number of deliveries. Evaluate the time of emergency delivery of a caesarean section starting from the indication of the CTG.

The right value of indicators must be tailored to specific local experience and yearly trends.

The monitoring system is also sampled and with a well-developed system of returning to doctors of the monitoring results. A good feedback system of results with the world of professionals is essential to set in motion the data transmission that starts from patients and returns to patients through the mediation of professionals.

In summary, I think good synthesis work on the indications and ways of using the CTG, but there is a lack of elements to connect the theory with the real world.

This element is central to any goal of improving the assistance system in the trajectory to achieving the Sustainable



Development Goals.

My best regards,