New Design of a Biomechanical Prototype of an Obstetric Delivery Table

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The delivery table is a mechanism focused on the comfort of the doctor’s time of delivery naturally. Our approach “New Design of a Biomechanic Prototype of an Obstetric Delivery Table” is to make a design stretcher focused on the comfort and safety of women and the well-being of the baby. The problem posed “The design of the proposed biomechanical prototype will meet or not satisfactorily with the ergonomics categories, satisfaction general and comfort on the stretchers childbirth birthing process pregnant woman and well-being of the baby”. We looked for videos and information and we found evidence that in Puerto Rico, in 2016, the live birth by cesarean section per ages ranges was in a range of 26% to 75%, doctors consider this operation in multiple cases of complications in childbirth. Mothers from natural childbirth were surveyed "face to face", we took the critics they told us about the traditional stretchers. A sketch of a Digitized stretcher, presented to a group of mothers. They stood out on our design 80% ergonomics, 73% Comfort, and 68% Satisfaction. Multiple studies show the benefits of taking positions vertical instead of horizontal during childbirth, having relevance even in the perception of pain maternal and to facilitate delivery. (Garcia Hernandez, 2017). We triangulate our data and accept the hypothesis. Pose new approaches in instrument design doctors related to the health of mothers and infants must be rethought, considering the opinion of a sector traditionally vulnerable. The next step for this investigation would be to create the prototype in real size.

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