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Effectiveness Of Partograf Based On Computer System With Clinical Decision Making In Labor Process

Putri Yuyu^{1*}, Syafruddin Syarif², MardianaAhmad²

¹Graduate Student Of Study Program : Midwifery, Hasanuddin University, South Sulawesi, Makassar Indonesia

²Lecturer Of Study Program : Midwifery, Hasanuddin University, South Sulawesi, Makassar Indonesia

Abstract: Partograf is a record chart the progress of labor to monitor the State of mother and fetus as well as detect any abnormal childbirth and a guidance for doing surgical obstetrics. This research aims to prove the partograf based computer systems can be used as a tool of clinical decision-making, assessing the effectiveness of the difference and know the aspects of convenience, speed and relevance of the data on the partograf-based computer systems and conventional partograf in clinical decision-making in the process of childbirth. This research method using quasy alphabets experiment with comparative descriptive design, sampling by means of purposive sample amounted to 20 data inpartu mother by using computer-based partograf and mother inpartu 20 by using the partograf conventional (manual). Data analysis using univariate analysis and bivariat with Mann Whitney test. The results showed that the effectiveness on partograf-based computer system towards decision-making in the birthing clinic is to ease the median value aspect of 24, the median value of the speed aspect and the aspect of relevance the median value of 15 data, whereas in conventional partograf (manual) to the median value of the convenience aspect of 23, with the median value of the speed aspect and the relevance of the data with the median value of 13. The results of statistical tests by using test Mann Whitney p value obtained Value < 0.05 ($\alpha = 0.05 <$). This means that there is a difference in the effectiveness of partograf-based computer systems and conventional partograf in clinical decision making. Thus it can be concluded that partograf-based computer systems more effectively used as a tool of decision-making clinic compared to the use of conventional partograf (manual).

Keywords : Partograf, Computers, Conventional, Clinical Decision Making.

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