

A Comparative Study on Oxygenating Capacity of Terumo Pediatric Oxygenator vs Dideco Pediatric Oxygenator

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This study shows the comparative analysis on oxygenating capacity of two brands of oxygenators: DIDECO Midiflow D705 and TERUMO Capiox 5X10.

This study is based on the arterial blood gas analysis which was done during cardiopulmonary bypass. The data was obtained from perfusion data sheet available at SGNHCG. 71 DIDECO and 55 TERUMO oxygenators and altogether 335 arterial blood gas samples were considered for the study.

The main objective of the study is to give an idea of selection of a proper Oxygenator during pediatric Cardiopulmonary Bypass.

Our study shows that the oxygenating capacity of DEDICO pediatric Oxygenator is less than that of TERUMO pediatric Oxygenator for the patient having weight more than 30 Kg and bypass time of more than 1.5 hours.

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