Children's Hospital of Philadelphia PolicyLab

Determining the Optimal Neonatal Care for Preterm Infants in the Era of Personalized Medicine

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INTRODUCTION: The results of the Tor2rpido study illustrate the challenges of identifying optimal treatments and care processes for patients in the era of personalized medicine. This study investigated an important area: the initial management of oxygen during the resuscitation of an infant. Oxygen delivery has changed from beginning at high oxygen concentrations to much lower concentrations and, in both cases, titrating the oxygen to the response of the infant. These policies stem from studies of term infants, which found improved outcomes and lower markers of oxidative stress in infants who received much lower oxygen concentrations to begin their resuscitation. These results are frequently applied to the resuscitation of prematurely born infants, even though the studies in this patient population provided less consistent results.

Journal:

Pediatrics
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