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Original article



## Risk factors for advanced resuscitation in term and near-term infants: a case–control study

### Abstract

**Objective** (1) To determine which antepartum and/or intrapartum factors are associated with the need for advanced neonatal resuscitation (ANR) at birth in infants with gestational age (GA)  $\geq 34$  weeks. (2) To develop a risk score for the need for ANR in neonates with GA  $\geq 34$  weeks.

**Design** Prospective multicentre, case–control study. In total, 16 centres participated in this study: 10 in Argentina, 1 in Chile, 3 in Brazil and 2 in the USA.

**Results** A case–control study conducted from December 2011 to April 2013. Of a total of 61 593 births, 58 429 were reported as an GA  $\geq 34$  weeks, and of these, only 219 (0.37%) received ANR. After excluding 23 cases, 196 cases and 784 consecutive birth controls were included in the analysis. The final model was generated with three antepartum and seven intrapartum factors, which correctly classified 88.9% of the observations. The area under the

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Martin Ward Platt

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