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Pierre robin sequence: An evidence-based treatment proposal

Background: The Pierre Robin Sequence (PRS) has been defined as the presence of micrognathia, glossoptosis and respiratory obstruction in the neonatal period. Since its original description, different therapeutic approaches have been proposed obtaining different success rates, but there is no consensus about its management.

Methods: A literature review was conducted in PubMed, Embase and Cochrane databases, for the period of January 1985 to November 2016. A number of 23 articles resulting from clinical studies, discussing diagnostic tests or therapeutic approaches and directly or indirectly comparing diagnostic or treatment modalities were selected and assessed using the GRADE methodology.

Results: After reviewing and analyzing the selected articles, an evidence-based algorithm for diagnosis and integral management of PRS patients was designed.

Conclusion: Based on the anatomical principles and natural evolution of PRS, the clinical scenario must be evaluated thoroughly as a dynamic event to develop a management sequence that minimizes morbidity and mortality and accelerates patients' reinsertion to normal life.

Biography

Oswaldo Gomez is the Head of Plastic Surgery service at the National University of Colombia. He is also the member of the Colombian Plastic Surgery Society.

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