

## Optimalisasi pemenuhan oksigen melalui inhalasi menggunakan cairan salin hipertonic dengan pendekatan model konservasi levine = Optimization of oxygenation throught inhalation with hipertonic saline using levine s conservation model

Barus, Linda Sari, author

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Abstrak

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Anak dengan gangguan pernapasan sering mengalami ketidakefektifan bersihan jalan napas akibat sekret yang menumpuk. Pemberian asuhan keperawatan pada anak dengan gangguan oksigenasi dapat dioptimalkan melalui inhalasi menggunakan cairan salin hipertonic. Penggunaan model konservasi Levine dapat diaplikasikan dalam penerapan asuhan keperawatan yang menerapkan prinsip konservasi energi, konservasi integritas struktur, integritas personal dan integritas sosial. Perlunya berkolaborasi dengan tenaga kesehatan lain dalam pelaksanaan intervensi sebagai upaya memperbaiki kerusakan silia yaitu menerapkan konservasi integritas struktural. Dukungan sarana prasarana seperti alat nebuliser, pengadaan kemasan dan penyimpanan cairan salin hipertonic dapat meningkatkan kompetensi perawat spesialis dalam melakukan praktek pada anak dengan gangguan pemenuhan oksigenasi.

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Children who experience respiratory distress often encounter ineffective airway clearance caused by secret accumulation. Nursing care in children with oxygenation disturbance can be optimized through the use of hypertonic saline inhalation. The use of Levine's conservation model applied in the implementation of nursing care facilitated children's energy conservation, structural integrity conservation, personal integrity and social integrity. There was a need for collaboration with other health professionals in the implementation of the intervention as an effort to repair the damage of cilia, namely implementing structural integrity conservation. Infrastructure support such as nebuliser, packaging procurement and storage of hypertonic saline may improve the competence of specialist nurses in practice in children with impaired oxygenation fulfillment.