Practical Experience

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Exemplary Use of LIGASANO® white at the Neonatologic Intensive Care Unit

University Clinic Mainz, Germany, Dep. of Paediatry

Pressure Relief with LIGASANO® white under the cap at binasal CPAP

Some children have to be ventilated by a small tube, which is inserted from the nose into the trachea and is connected by a tubular system with the ventilator. The lung is ventilated artifically to provide the body with oxigene and to remove carbon dioxide.

A couple of the premature infants (also smaller ones) are strong enough to breathe by themselves, but need a ventilation assistance (SPAP) to expand their lungs. These children have either a tube that lies in the pharynx (through one of the nostrils) or they wear caps, provided with tubes with two small attachments (Prong) which usher into the nose (binasal CPAP).

What is LIGASANO® white and how is it applied at the neonatologic intensive care unit?

LIGASANO® white is a therapeutically effective foamed polyurethane (PUR) with a wide range of application for wound care as well as for decompression and prevention. It is a mixed-pored material, relatively fine-pored and because of its special surface texture it performs a mechanical stimulus in contact with wound or skin, that effects a local improvement of blood flow. Surplus moisture (e.g. sweat) is absorbed in a controlling matter, unwanted accumulation of humidity is prevented.
Another special property of LIGASANO® white is its rapid falling pressure tension that affords an equal adaption at contures, pressure peaks are avoided. At the neonatologic intensive care unit LIGASANO® white is used for decompression and improvement of blood flow under the cap as well as for the fixation of the binasal CPAP.






LIGASANO® white is used not only at this application. It may adapt to the requirements easily and individually and leads to easy and practical solutions, both in medical and nursing fields.

Source: Studies at the University Clinic Mainz/Germany, Paediatry
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Report of August 2006

Info 08072 edition 2010-10