



# Unique Carital® Solutions for Pediatric Care

The care of very sick children requires unique solutions. The patients in pediatric and neonatal intensive care units vary from premature babies weighing 500 g up to adult-sized teenagers. When the child is immobile due to illness, the contact pressure exerted on the skin may become high enough to disturb the capillary circulation resulting in skin damages. Pressure may also cause pain and stress to the pediatric patient.

# Carital Antideformation System® for pediatric and neonatal intensive care



Carital®  
NeoICU



Carital®  
NeoIW



Carital®  
OptimaCot



Carital®  
OptimaJuve

## ECMO patients

ECMO (Extracorporeal Membrane Oxygenation) may be life-saving therapy for infants and children, who do not respond to therapy involving the use of a respirator, medicines and supplemental oxygen. ECMO allows the lungs and heart to rest and to heal.

**Carital® specialty mattresses have been used by ECMO patients for years.** The superior pressure redistributing and relieving properties of Carital® mattresses minimize skin complications. A stable structure secures that the catheters stay safely in their place.

## Carital® NeoICU for incubators

- For prematurely born patients (> 500 g) or newborn patients, i.e. in mature infants under 28 days of age and older children weighing up to 6 kg.
- Womb substitute cell system with its cover is delivered with mattress system.
- Integrated slot for RTG-cassette, which enables the mattress system to be used during patient imaging.
- Mattress variant available for **GE Giraffe Omnibeds** and incubators with similar dimensions.

## Carital® NeoIW for infant warmers

- For prematurely born patients (> 500 g) or newborn patients, i.e. in mature infants under 28 days of age and older children weighing up to 6 kg.

## Carital® OptimaCot for cot beds

- The mattress system is intended for patients of equivalent weight and size between 6-50 kg.

## Carital® OptimaJuve for pediatric patients

- The mattress system is intended for patients aged 3-12 years or patients of equivalent weight and size between 7-150 kg.

## Unique Carital mattress system®

Reactive **Carital Antideformation Technology®** maximises contact area and minimises contact pressure, effectively preventing deformation of tissues and tissue cells under pressure.

Carital mattress systems® have tunnel-shaped cells that adjust to the patient's body. The cells are interconnected to provide controlled, adjusted pressure within the 3 zones (head, torso, legs). All cells respond to body weight, profile and position, distributing the load evenly across the entire cell area. Due to the closed air cell system, the mattress has immediate CPR capacity.

## Carital Antideformation Technology® – scientifically proven to be the most effective

For more information on Carital Antideformation Technology® and its scientifically proven effectiveness in preventing pressure ulcers contact the manufacturer or your local distributor.

Very high  
risk

Immediate  
CPR  
capacity

A1 carital®  
ANTIDEFORMATION  
TECHNOLOGY®

CE

MD