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Neonatology

The best conditions for parental care and work environments

- for newborn children in hospital care

CE ISO 9001
ISO 14001

Danish design and manufacturing since 1935



Chair for Neonatology Departments

In the Danish health sector, a key goal in the Department of Neonatology is to guide and support the parents while also ensuring they feel included in their child's care and understand what their child is going through.

FOR PREMATURE BABIES

When babies are born prematurely, the final stage of fetal development must occur outside the womb.

Research shows that skin-to-skin contact between the baby and parents helps stabilize the baby's respiration, heart rate, temperature, and sleep patterns. Close contact makes a significant difference.

In 2022, WHO published new research-based recommendations for premature or low-birth-weight infants, which include skin-to-skin contact, also known as 'Kangaroo Mother Care' (KMC). These recommendations are categorized as strong with a high level of evidence.

WHO recommends that KMC should be provided routinely to all premature or low-birth-weight infants for 8-24 hours daily, either in a healthcare setting or at home. It is also recommended to start KMC as soon as possible after birth.[1]

The purpose of the recommendations is to prevent complications in premature or low-weight infants and ensure that the environment supports a setting where they can be followed.

A CHAIR FOR THE PURPOSE

Many departments have inadequate facilities for parents when they need to sit with their baby for extended periods. The chairs and beds in the rooms rarely offer the necessary comfort and adjustment options crucial for prolonged contact between baby and parents.

This can affect the baby's vital signs, as the environment does not support immediate and continuous parental contact.

According to a large study conducted by WHO, it is essential for parents to be actively involved in the care of their newborn and in the decisions regarding which interventions the baby should receive.[1]

The VELA Neonatal chair allows parents to stand up, sit down, and sit comfortably for extended periods while also being able to adjust their seating position.

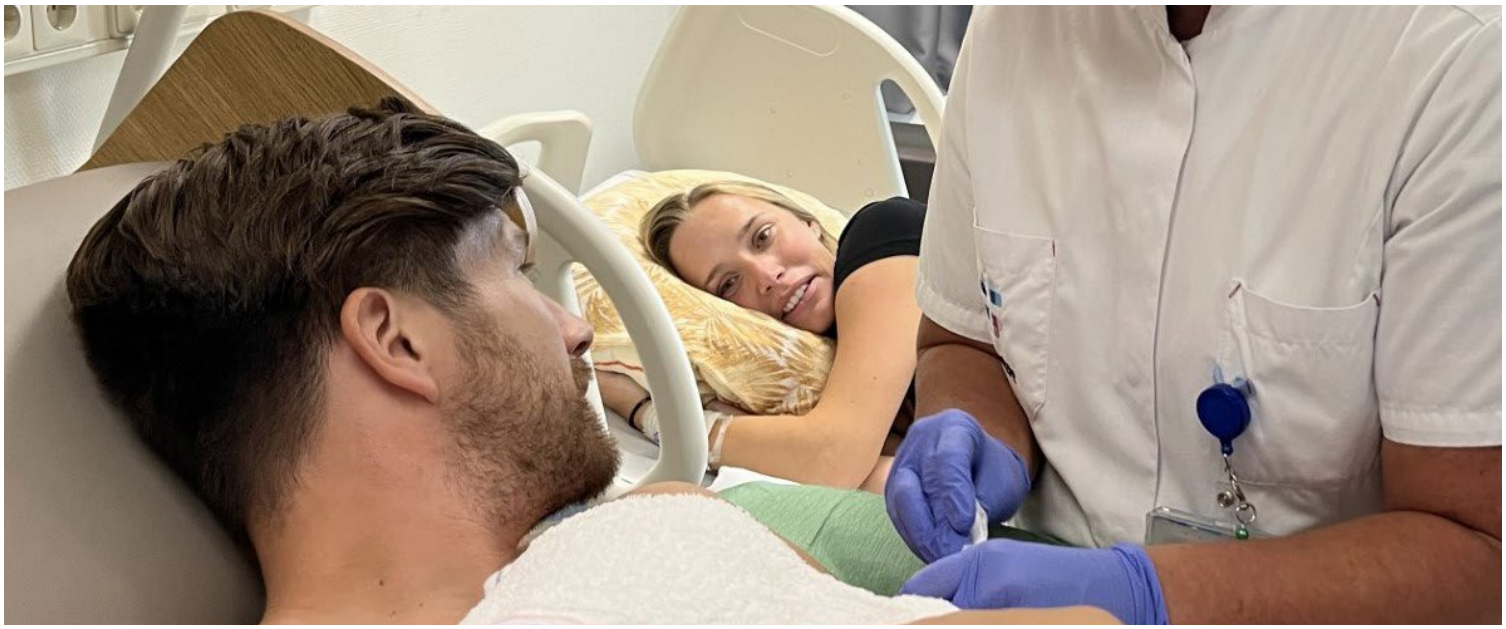
The chairs promote increased closeness and are designed to create a homely and comfortable environment in the room. It supports KMC, which is an effective method for thermal control, breastfeeding, and bonding for all newborn infants, regardless of their position, weight, gestational age, or clinical conditions.[2]

Sources:
1: https://iris.who.int/bitstream/handle/10665/363697/9789240058262-eng.pdf?sequence=1
2: KMCtextonly/pmkr7 (who.int)



"VELA Neonatal chair is very comfortable to sit in, and it's easy to change the various settings. I could sit with my daughter for hours, even while the doctor was conducting examinations. And we could only do that because the chair could be height-adjusted, so the doctor could stand next to us and do their work. My daughter and I were happy with the excellent conditions for skin-to-skin contact in the VELA chair."
Mother of a premature daughter about the VELA 'Neonatal' chair

VELA Neonatal Chair





Item no. 87214

The VELA 'Neonatal' chair gives parents the best conditions for sitting longer with the baby while also improving the staff's working environment.

:: The chair's many adjustment options, such as the backrest and footrest, can be adjusted while seated. This allows for changes in seating position, rest, and comfortable sitting – even over extended periods

:: Staff can work standing in a good working posture, as the chair can be raised to the desired height via electric height adjustment

:: The exit assist allows parents to sit down and stand up from the chair with the baby in their arms without calling for assistance or putting the baby down

:: The chair provides optimal support during breastfeeding, as the armrests can easily be adjusted to the correct height

:: The chair is mobile with wheels, so it can be moved around the department as needed

:: The central brake ensures that the chair stands stable when getting up or sitting down

THE STAFF WORK ENVIRONMENT

The staff in neonatal departments perform many tasks related to the treatment and care of the baby. When assisting parents in situations where only regular chairs or beds are available, their work environment is often compromised.

Daily challenges are a reality for both parents and staff in neonatal units. The staff guide the parents while performing examinations and treatments on the baby, who remains with the parents to minimize stress. In these situations, ergonomic working positions are often neglected. This leads to staff frequently adopting bent-over and awkward postures, which strain their back, neck, and shoulders, posing a risk for work injuries.

A study shows that the use of a VELA Neonatal chair increases parents' involvement and comfort after birth, while healthcare staff report that their working environment improves when parents hold the baby skin-to-skin in the chair compared to a hospital bed.[3]

The chair benefits parents, infants, and staff and was developed in collaboration with the Neonatal Department at Kolding Hospital. In 2023, an RCT study conducted by Betty Noergaard, Marianne Ravn, and Poul-Erik Kofoed was published.[3]

Sources:
3: Parents' comfort and staffs' working-environment when infants are sitting skin-to-skin: a randomised controlled trial comparing a recliner and a hospital bed. Betty Noergaard, Marianne Ravn & Poul-Erik Kofoed. Pub. Ergonomics Feb.2023.



Staff Chairs and Stools



VELA Latin 100

Item no. 80131

VELA Latin 100

:: Easy adjustment of seat height and tilt as well as backrest settings provide active seating positions that promote movement

:: Ergonomically shaped seat and backrest that support and promote good posture

:: Pictograms are provided on the chair handle to assist quick and easy chair adjustment



The unique seat activates the body's balance system just like a Pilates ball.

VELA Samba 410

Item no. 80147

VELA Samba 410

:: Promotes a better work position for health sector staff by promoting an active seated position with the unique seat design

:: The seat activates the body's balance system, which in turn activates muscles and joints in the back and stomach. The seat works just like a Pilates ball but without the risk of losing your balance

:: The dynamic movement of the seat stimulate and strengthens the back and lumbar, so you achieve a more upright, active seated position

:: The shape of the seat promotes mobility in the lumbar and rotation of the pelvis

:: Easy to adjust the seat height and achieve a good work height

All chairs and stools are available with different wheels and foot-serviced height adjustment.

Stools

VELA Samba 520

:: Small and compact stool with ergonomic backrest, which is ideal for shorter periods of sedentary work

:: Ergonomic and adjustable backrest, which supports an active seated position and allows for freedom of movement in shoulders and arms

:: Easy to move around while seated

:: Easy to adjust the seat height and achieve a good work height

VELA Samba 500

:: Compact stool without a backrest, making it easy to store under a table when not needed



VELA Samba 520

Item no. 80149

VELA Samba 500

Item no. 80148

VELA Samba 420

:: Stool with saddle seat and narrow backrest for seated work of varying natures

:: Promotes an active, upright seated position, as the saddle seat with a pommel allows for an open hip angle

:: Ensures mobility while seated, as it is easy to move around from one task to another

:: Allows the user to sit very close to the patient

:: Easy to adjust the seat height and achieve a good work height

VELA Samba 400

:: Stool with a saddle seat, which promotes a good work position, avoiding hunched positions



VELA Samba 420

Item no. 80145

VELA Samba 400

Item no. 80146

Hygiene Benefits

VELA medical chairs are designed to meet the stringent hygiene and disinfecting requirements in the healthcare sector

:: For optimal hygiene, chairs have easy-to-clean surfaces without recesses where dirt might gather, including the underside of the chair

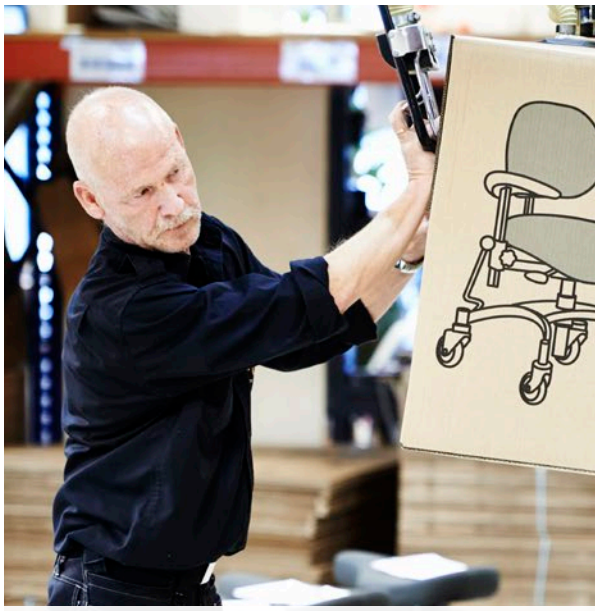
:: All backrests are supplied with edge bands to prevent dirt collecting in the joints

:: The chairs have easily cleanable surfaces without any recesses, where dirt might gather

:: All parts can withstand disinfection, for example, with alcohol or chlorine at the recommended concentration and mixing ratios

:: Light-coloured surfaces make it easy to spot marks when cleaning





Dealer information:

Danish Quality

VELA is a Danish family-owned company founded in 1935 by Vermund Larsen. VELA is headquartered in Aalborg, Denmark and has its own development department, and production and padding workshop. In order to be close to our customers, we have a strong, international dealer network.

CHAIRS DESIGNED WITH CARE AND PRECISION

The development department at VELA is constantly focused on optimising safety, functionality and ergonomics in cooperation with health professionals.

We take into consideration that chairs in the healthcare sector are exposed to severe wear and tear for many hours each day.
At VELA, we use hard-wearing mechanical parts and extra-durable seating materials to keep the chairs clean and functional for many years. All VELA chairs are CE marked and made in Denmark.

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