



Photo : Charlotte Dahl



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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 their foetal development must occur outside the uterus.

Research shows that skin contact between a newborn and their parents helps to stabilise the child's breathing, pulse, temperature, and sleep pattern. In other words, proximity makes a significant difference to the newborn.

Yet many departments are not equipped for parents when it comes to sitting with their baby. The chair or the bed in

the ward rarely provides the comfort or positions needed for close contact over long periods.

When essential skin contact with parents is minimised, there is an adverse effect on the child's progress.

THE STAFF WORK ENVIRONMENT

The staff must cope with various tasks when treating the children in their care. This means their working environment is often compromised by a standard recliner or bed when the staff are trying to help the parents in the best way.

THE CHALLENGE

Daily challenges crop up for a lot of parents staying in a Department of Neonatology. The situation is not only challenging for the parents but also for the staff. In order to minimise the child's stress, the staff carry out tests and treatments, and guide the parents on feeding, while the child is lying with its parents. This means that the staff often twist into unnatural positions and are hunched over for long periods of time. Attempts to help the parents therefore often result in poor work positions, which give rise to pains and discomfort in the back and lumbar and increase the risk of work-related injuries. In many neonatology departments, there is not enough space for every family to have a hospital bed by their child's incubator.

PROXIMITY AND A BETTER WORK ENVIRONMENT

The VELA Neonatal chair allow parents to stand up and sit down by themselves, and to sit comfortably and and change their seated position as much as they like. The chairs increase proximity, improve the staff's work environment and create a cosy and homely atmosphere.

The chair benefits parents, the child, and the staff, and was developed and designed in collaboration with the Department of Neonatology at Kolding Sygehus Hospital. An RCT study on the chair has been carried out and published in 2023: Betty Noergaard, Marianne Ravn & Poul-Erik Kofoed: Parents' comfort and staffs' working-environment when infants are sitting skin-to-skin: a randomised controlled trial comparing a recliner and a hospital bed.

"The normal chairs are a little uncomfortable, and it isn't a pleasure to lie in bed all day – this chair moves the focus from the furniture to the child."

Anders, new dad, about the VELA Neonatal chair

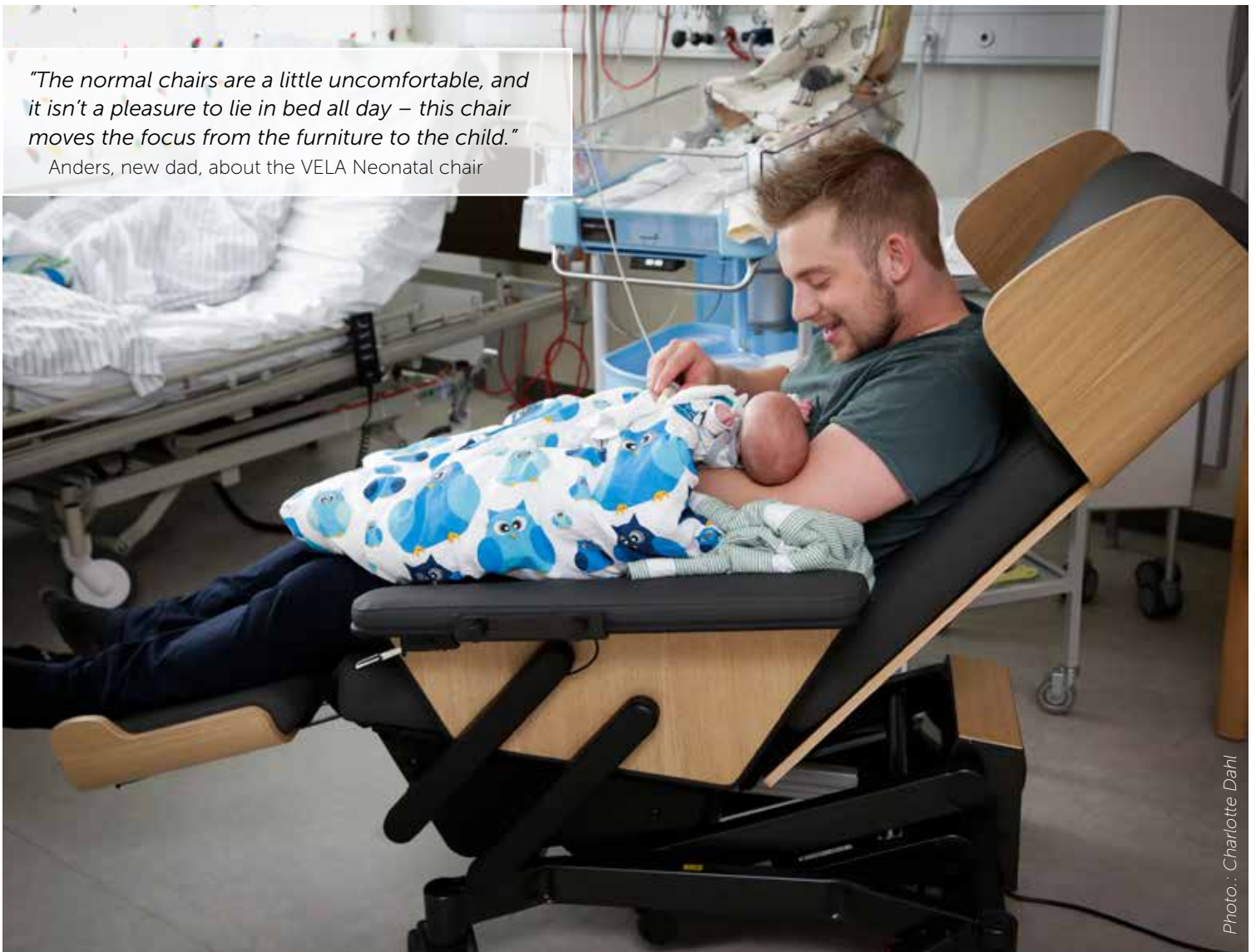


Photo: Charlotte Dahl

"You can finally sit comfortably – the staff have helped you and propped your arms and legs up with pillows and blankets, and now you and your child are finally comfortable. After an hour, you can feel yourself getting sore because you're sitting in place and can't move. You have to disturb your child who's lying comfortably. If you could just get a pillow behind your back or change position, you'd be comfortable again. You're also thirsty and you need more mother's milk to give your child. You can't reach, and you have to ask the staff for help again."

VELA Neonatal Chair



Item no. 87212

The VELA Neonatal chair gives parents the best chance to sit with their child for long periods while also improving the staff work environment.

ALIGHTING ASSISTANCE ALLOWS THE PARENTS TO STAND UP AND SIT DOWN WITH THE CHILD WITHOUT HAVING TO CALL THE STAFF

ELECTRIC HEIGHT ADJUSTMENT ALLOWS CHILD AND PARENT TO BE RAISED TO THE STAFF MEMBER'S IDEAL WORK POSITION

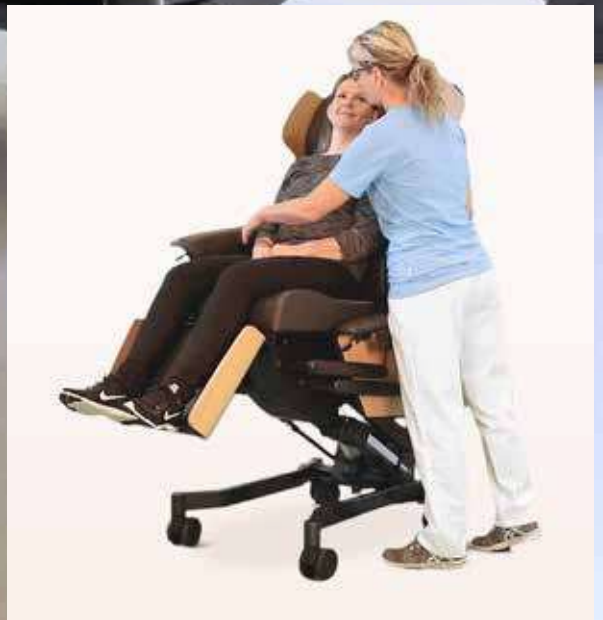
THE ARMRESTS CAN BE ADJUSTED TO BELOW SEAT HEIGHT, MAKING IT EASIER FOR STAFF TO GET CLOSE TO THE CHILD



CENTRAL BRAKE ON THE BACK WHEELS IS EASY TO LOCK/UNLOCK, SO THE CHAIR CAN BE MOVED AROUND AND BRAKED

INDIVIDUAL ELECTRIC SETTING OF BACKREST AND FOOTREST PROVIDES COMFORT AND VARIATION

- :: **The user can easily change their position while sitting in the chair**, such as adjusting the backrest and footrest. This means they can rest in the chair and **sit comfortably even for long periods of time**. Multi-position settings give patients independence and comfort
- :: **The staff have a good work position** as the chair can be raised to the desired height using the electric height adjustment. This feature also **allows parents to sit or rest at the right height to reach their child in the incubator**
- :: Parents can sit up by themselves and get up from the chair, holding their child, without having to call the staff or put their child down
- :: Optimised nursing support can be provided by adjusting the armrests to the right height
- :: The chair can easily be moved around the ward as needed
- :: Parents can safely stand up or sit down because the central brake ensures that the chair is stable



Staff Chairs and Stools

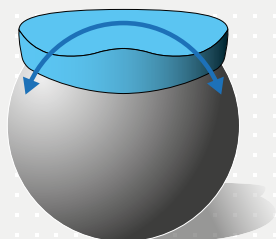


VELA Latin 100

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 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 520

Item no. 80149



VELA Samba 500

Item no. 80148



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



Danish Quality

VELA is a Danish family-owned company founded in 1935 by Verrmund 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.

Dealer information: