



FAQ BiliCocoon® phototherapy

- [Can we use BiliCocoon® in the incubator?](#)

The Nest System is designed to be used in the incubator and to wrap the baby with light. Its design also allows rapid access to the baby and the surveillance of the skin/torso.

- [Do we have to use eye shields when using BiliCocoon® Bag System?](#)

Yes. Although the light emitted through the Bag is very limited, the patient must wear eye shields under phototherapy.

- [What is the min/max baby weight for the BiliCocoon® Bag System?](#)

The Bag System accommodates full term babies weighing between 2.5kg to 10kg

- [How do we clean and disinfect the BiliCocoon® Pads?](#)

The BiliCocoon Pads have been designed for easy cleaning and disinfection. To clean and disinfect the product, use an EPA registered hospital disinfectant such as CaviWipes. For detailed information refer to the user's manuals (section 5).

- [Can we swap the Pads and use the same light generator with two different Pads?](#)

No. The BiliCocoon Systems are pre-calibrated in the factory and every single light generator is paired with one specific Pad to deliver the exact dose of light of $35\mu\text{W}/\text{cm}^2/\text{nm}$ ($\pm 15\%$).

- [Can we replace the Pad if it gets damaged or do we need a whole new System?](#)

If either element, light generator or Pad, needs replacement, they can be ordered separately and will be recalibrated and paired by a trained person through a very simple procedure.

- [What about temperature management when using the BiliCocoon® device?](#)

Temperature and fluids must be monitored on patients under phototherapy. Although BiliCocoon fiber optic Pads are not heat emitting, the energy delivered by the photons will generate calories (on the skin but also on the surface of the pad - $+1^\circ\text{C}$). This is why it is

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extremely important to monitor the baby's temperature during phototherapy with any kind of system.

- **What shall we do if the baby gets warm in the bag system?**

Check external temperature, reduce the use of baby warmers, heaters and blankets. Be aware that some babies may also sweat in the Bag System. If this happens, as sweat can hardly be evacuated from the closed bag, it will cause discomfort to the patient. In this case do not hesitate to let baby's arms outside the bag system or to open the bag laterally to maximize the baby's comfort.

- **What shall we do if the baby gets cold?**

The BiliCocoon Systems are compatible with the use of incubator, baby warmers, heaters, and blankets.

- **Is there any clinical papers available about the BiliCocoon® System?**

Several studies are ongoing across the globe and two papers have already been published:

- *New high intensity fiberoptic phototherapy devices in healthy newborns: a single pad wrapped around the neonate body in comparison with a double pad device*, R. Luciano et al., 2019 (Italian Journal of Pediatrics)
- *Effectiveness and safety of two phototherapy devices for the humanised management of neonatal jaundice*, Montealegre et al., 2019 (Anales de pediatria)

- **What is the light intensity delivered by the BiliCocoon® System?**

35µW/cm²/nm (±15%) to comply with the international guidelines about intensive phototherapy published by the American Academy of Pediatrics.

- **Can we change the light intensity, increase or decrease it?**

The BiliCocoon® System is pre-calibrated in the factory to deliver the exact dose of light of 35µW/cm²/nm (±15%) as per the recommendation of the American Academy of Pediatrics.

- **How do we check the light intensity on the BiliCocoon® Pads?**

The light intensity or irradiance must be checked with GE Ohmeda Biliblanket or equivalent lightmeter as described in the user's manual. The process is described in the user's manual.

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- [Can we use the BiliCocoon at home?](#)

Yes the BiliCocoon® Bag System and the Nest System have been developed to be used in home care.

- [Can Mum cuddle, cocoon and breastfeed her baby during phototherapy?](#)

Yes the BiliCocoon® Nest and Bag Systems have been specially designed to maintain the parents-child bonding, allow Kangaroo skin-to-skin and promote breastfeeding without the need to interrupt phototherapy.

- [Is the Bilicocoon® System suitable for premature/small babies?](#)

Yes, it is possible to use the BiliCocoon System on premature/small babies. The Nest System is more suited for small babies, but it is also possible to use the Bag System. For the Bag System, the Bag Disposable Small have been especially developed for small infants.