Prematurity detection by light
The Preemie-Test

Every year, around 15 million babies are born too early and 1 million die due to prematurity complications and this number is rising (WHO, 2016).

Impact:
Birth attendants can deliver the opportune care, mainly when the baby is small than 2.5kg. Revealing the hidden prematurity, the solution can provide support to make decisions as refer the baby to the hospital. Prematurity remains the main cause of neonatal mortality in the world.

Technology:
Gestational age prediction from the scattered light by the neonatal skin. A proof of concept assessed 96 newborns in Brazil. A global solution for prematurity detection: a new approach to gestational age detection and an optoelectronic device.

Preemie Test:
The sensor just touches the baby skin. The noninvasive medical device output delivers gestational age or bands: premature or not. The test can be useful anywhere when the gestational age information is unknown or doubt at birth. Most of the pregnant women have no early obstetric ultrasound.

Advantages:
Affordable, Safe for the babies, Automated results, easy for caregivers.

Market:
A global solution for prematurity detection. Alone or Inside neonatal devices, Sensor.

Referral:
Aiding decisions during neonatal telehealth’s consult and transportation.

Legal medicine:
Study of the neonatal mortality, accessing the gestational age.

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