

## **Neonatal Intensive Care Unit**

Newborn period including the first month of life is the most important part of the human life. Passing this period in a good way plays a key role in maintaining a healthy life in the future. The aim of neonatal medicine is to decrease the mortality and morbidity by preventing newborn from risks of pregnancy and birth process and to bring healthy children to the society.

Newborn babies who need intensive medical attention are often admitted into a special area of the hospital called the Neonatal Intensive Care Unit (NICU). The NICU combines advanced technology and trained health care professionals to provide specialized care for the tiniest patients.

Our NICU is a level III unit and consisted of 74 neonatal intensive care beds. We also have additional 10 beds for newborn and mother to stay together. Newborns born both in our hospital and other hospitals with intensive care need are followed up and treated in our NICU. Monitorization, follow up and treatments such as fluid and electrolyte, respiratory support, phototherapy and exchange transfusion are carried out for patients who need intensive care.

We also have further technologic treatment modalities including high frequency oscillatory ventilation, nitric oxide therapy, amplitude electroencephalography follow-up and therapeutic hypothermia. Screening of retinopathy of prematurity and treatment as laser photocoagulation and intravitreal bevacizumab are performed in our NICU. Total parenteral nutrition fluids for intravenous nutrition is prepared in a private steril unit.

Premature infants are followed up with mothers in a separate room before discharge, and self-confidence of mothers are maintained by breastfeeding, feeding and newborn care trainings.

Long term follow up of premature infants is performed in our premature infant follow up outpatient clinic by our team.

We have educational programs including newborn care, feeding, growth and development of newborn. Kangaroo care became a routine care in our NICU. We also have a separate milking room where the mothers express their milk and milk is stored.

Our team is consisted of 6 neonatologists including 2 professor, 4 associated professor, 4 neonatology fellow and 5 pediatrician.



