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FACULTY OF NURSING

Levels of newborn care

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LEVELS OF NEW BORN CARE

- NEWBORN-
 - A recently born child or animal is called **Newborn**. From the birth(**0-28 days**) to 4 week (**28 days**) of age.



CLASSIFICATION ACCORDING TO SIZE

- **low birth weight infant (LBW)**- birth weight is less than 2.5 kg (2500 gm)
- **Moderately low birth weight (MLBW)**- an infant whose birth weight is 1500 to 2500 gm (1.5-2.5 kg).
- **Very low birth weight (VLBW)**- A baby whose birth weight less than 1500 gms.

Cont...

- **Extremely low birth weight (ELBW)**- A baby whose birth weight is less than 1000gms.
- **Appropriate for gestational age (AGA)**- An infant whose birth weight falls between the 10th & 90th % in intrauterine growth curves.
- **Small for dates (SFD) or small for gestational age (SGA) infant**-An infant whose rate of intrauterine growth was slowed & whose birth weight falls below the 10% an intrauterine growth curve.

Cont...

- **Intrauterine growth retardation (IUGR)**-babies who do not grow adequately in utero.
- **Premature (preterm) infant**- A baby born before completion of 37th weeks of gestation ,regardless of birth weight.
- **Post term**- Any neonate born at or after 42 weeks of gestation is known as post term.
- **Term baby**- any neonate born between 37-42 weeks of gestation.

PRINCIPLES OF MANAGEMENT OF LOW BIRTH WEIGHT INFANT

- Care at birth-
- Appropriate place of care
- Thermal protection
- Nutrition
- Monitoring & early detection of complication-
- Appropriate management of specific complication especially infection.



LEVELS OF NEWBORN CARE

- Level-1
- Level-2
- Level-3
- Level-4



Level-1(Well newborn nursery)



Health Care Provider Types

- Pediatricians,
- family physicians,
- nurse practitioners, and
- other advanced practice registered nurses.

Level 2 (special care nursery)

- Level I capabilities plus:
 - Provide care for infants born ≥ 32 wks GA and weighing ≥ 1500 g need subspecialty services on an urgent basis.



Health Care Provider Types

- Level I health care providers plus:
- Pediatric hospitalists,
- Neonatologists, and
- Neonatal nurse practitioners.

Level III (NICU)

- Level II capabilities plus: -Provide sustained life support.
- Provide comprehensive care for infants born <32 wks GA and weighing <1500g and born at all GA and birth weights with critical illness.



Health Care Provider Types

- Level II health care providers plus:
- Pediatric medical subspecialists,
- Pediatric anesthesiologists,
- Pediatric surgeons, and
- Pediatric ophthalmologists.

Level IV Regional NICU

- Level III capabilities plus:



Health Care Provider Types

- Level III health care providers plus:
- Pediatric surgical subspecialists.



Role of Nurse

- Primary care giver
- Health educator
- Nurses counselor
- Social worker
- Team coordinator and collaborator



Cont..



- Manager
- Child care advocate
- Recreationist
- Nurses consultant
- Research

Conclusion

- Level of new born care is very essential or providing proper care to every newborn or prevent newborn for further complication and providing care according to newborn needs

Summarization

- Introduction of newborn and newborn care
- Principles of management
- Level of newborn care
- Role of nurse



thank
you