

Pediatrics nursing

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Objectives

- ❑ At the end of session, student will be able to:
 - ❖ Identify pediatric age classification.
 - ❖ Know the scope & historical development of pediatrics.

Outline

- Introduction to pediatrics .
- Scope & historical development of pediatrics.
- Major cause of death at various age group.

Chapter one

- **Introduction to pediatrics:-**

- ❖ Pediatrics is concerned with the health of newborn, infants , children & adolescents ; growth and development ; and their opportunity to achieve full potential as adults.
- ❖ Age classification of children are;
- ✓ Infants are those from under 1 year, 1-3 years toddler, 3-6 years pre school age, 6-12 years are school age & early adolescents are those age 12 – 18 years.

Conti....

- ❖ When we say infants they are classified as:- neonatal 0-28 days (0-7days early neonatal & 7-28days late neonatal period) and 29days up to 1 year we call them as infant.
- ❖ Health professionals are responsible for children's mental, physical , emotional, social & environmental progress from conception to maturity.
- ❖ Therefore the young are often among the most vulnerable & disadvantaged in society and thus their needs require special attention.

Scope & historical development of pediatrics

- More than a century ago, pediatrics emerged as a medical specialty in response to increasing awareness as children's health problem different from that of adult and child's response to illness & stress varies with age.

Cont...

- The health problems of children & youth vary widely across the nations of the world depending on the following factors;
 - 1, Prevalence & ecology of infectious agents and their hosts
 - 2, Climate & geography
 - 3, Agricultural resources and practices

Cont...

- 4, Educational, social and cultural considerations
 - 5, Stage of industrialization and urbanization and
 - 6, The gene frequencies in many instances.
- So assessment of the state of health of any community must begin with incidence of illness and must continue with the study that shows changes that occur with time.

Cont...

- In the late 19th century in the united states, of every 1000 children born alive, 200 might be expected to die before the age of 1 year due to;- dysentery, pneumonia, measles, diphtheria & whooping cough.
- The majority of deaths of infants younger than 1 year of age occur within 28 days of life, of these most of deaths occur within 7 days of life ; moreover a large proportion of deaths occur within the 1st 24 hours.

cont...

- The leading cause of death in post neonatal age group is SIDS, due to congenital anomalies, perinatal conditions, respiratory system disease, accidents and infectious diseases.
- In developed countries early in the 20th century, efforts at control of infectious disease began to be complemented by better understanding of nutrition.

Cont...

- In the middle years of 20th century a **profound** revolution in child health was brought about by the introduction of anti bacterial chemicals & antibiotic agents.
- There is improved control of infectious disease through both prevention & treatment.
- In the last 2 decades of 20th century were marked by accelerated & new approaches to the management of many disorders.

Cont...

- Increasing attention also has been given to behavioral & social aspects of child health.
- During the late 20th century the emergency of new infectious pathogens such as HIV & the recognition of new disorders related to innovative therapies. In this century famine & war aggravated children illness.

Cont...

- Family income is central to the health & well being of children. Children from poor family suffer undesirable outcome in every aspects of life especially in health status.
- The major causes of death at various ages of children;
 - ❑ **For under 1 year infant:**
 - ✓ Perinatal condition
 - ✓ Low birth weight

Cont...

- ✓ Complications of pregnancy
- ✓ RDS
- ✓ Infections
- ✓ Birth asphyxia
- ✓ Congenital malformation and chromosomal abnormalities
- ✓ SIDS
- ✓ Injuries & adverse events
- ✓ Disease of circulatory system

Cont...

❑ **For 1-9 years children:**

- ✓ Injuries /unintentional/
- ✓ Congenital malformations and chromosomal abnormalities
- ✓ Malignant neoplasm's
- ✓ Homicide
- ✓ Disease of the heart

Cont...

- ❑ **For 10-19 years of children;**
 - ✓ Injuries /unintentional/
 - ✓ Homicide
 - ✓ Suicide
 - ✓ Malignant neoplasm's
 - ✓ Disease of heart

Cont...

- Finally homicide has become a major cause of adolescent deaths and has increased in rate among the very young due to child abuse & unresolved social tensions.

Questions!!!