MALNUTRITION

ANTHROPOMETRY

Parameters
- Weight, height or length, skin folds, mid upper arm circumference.

Statistic
- Z-scores

References charts
- WHO MGRS (0-2 yrs)
- CDC 2000 (2-20 yrs)

ETIOLOGY & CHRONICITY

NON ILLNESS RELATED
- Behavioral, socioeconomic
- Or environmental

ILLNESS RELATED
- Acute (<3 months)
  - e.g. Infection, Trauma, Burns
- Chronic (<3 months)
  - e.g. Cystic Fibrosis, Chronic lung disease, Cancer

MECHANISM

STARVATION
- Anorexia, socioeconomic, iatrogenic feeding interruptions, or intolerance

OR

ILLNESS RELATED

MALABSORPTION

NUTRIENT LOSS

HYPERMETABOLISM
- Incr. Energy expenditure

INTAKE < REQUIREMENT

IMBALANCE OF NUTRIENTS

ENERGY +/- PROTEIN IMBALANCE

MICRONUTRIENT DEFICIENCIES

OUTCOMES

LOSS OF LEAN BODY MASS
- Muscle weakness

DEVELOPMENTAL OR INTELLECTUAL DELAY

INFECTIONS

IMMUNE DYSFUNCTION

DELAYED WOUND HEALING

PROLONGED HOSPITAL STAY

INFLAMMATION

Alteration of utilization of nutrients

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