

GRAY BABY syndrome

Aplastic Anemia

* Pancytopenia due to bone marrow fibrosis

(n) Myeloid: Erythroid cell ratio = 3:1
Petrochemicals

Causes

1. Chemicals; Lindane, benzene, toluene
2. Drugs; Carboplatin, Chloramphenicol, Carbamazepine
3. Hereditary
4. Infections; viral like CMV, EBV, hepatitis, HHV
5. Radiation exposure
CHERNOBYL

IOC BM Biopsy
TOC Hemopoietic stem cell Tx
allogenic ↑

Pancytopenia
+
no organomegaly

Normoblasts : RBC ↓ Hb ↓

Myeloblasts WBC ↓



↓ N



↓ B



↓ E

neutropenia

Lymphoblasts

↓ lymphocytes — B: T

B cell: Humoral minority
T cell: cellular "

megakaryoplast #
#

Human Parvo B19

Erythema infectiosum, aplastic CRISIS

BMA: dilute Tap



RBC STICKY

X X microinfarctions

TRIBAL child

Sickle cell

: Anemia, Bone pain, auto splenectomy
L AR

Thalassemia

L AR

: Anemia, Chipmunk faces, splenohepato-
megaly

Aplastic Anemia

: Anemia, leucopenia, platelet ↓
petechiae

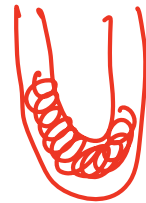
G6PD

(XLR)

: → boys, anti Malaria: primaquine
BLACK URINE is passed

Hereditary spherocytosis

(AD)



A.T.N

oliguria
Anuria

1° oxidative STRESS

ANEMIA

Splenomegaly
gall stones