T and E PEDIATRICS





1. Which of the following is the most common (epilepsy) in children?

- a.
- Febrile seizures MC Tyle of seizure in child Benign epilepsy with Centrotemporal spikes focal seizures b. AREA 4
 - Absence seizures
- Neonate Subtle seizures

MC seizures in children	febrile seiznes
MC epilepsy in children	Robandic epîlepsy Bennign « ā centrolempiral sci
MC seizures in neonate	SUBTLE SEIZUREC
3/sec spike and slow wave pattern on EEG	HIE, Hypoglycema, Ila > Phenobabitane seizures t
Hypsarrhythmia on EEG in infant showing myoclonic jerks involving the trunk	grossy chaotic faltern -> WEST SYN) Salaam seizues inj ACTH (Vigabatrin)



2. Correct intervention for breast feeding jaundice?

a.) Increase frequency of breast-feeding

b. Stop breast-feeding and start formula feeds for one week

Use Bili-blanket at home and call daily for follow up

Phototherapy in NICU and take consent for exchange transfusion

BREAST Jeeding J	BREAST Milk jaundice
madequate Jeeding	PREGNEDIOL: OUDPGT
1 ENTERDHEPATIE CIRCN	1 Vc Bilirubin 1

BREASTFEEDING VS BREAST JAUNDICE





Breastfeeding Jaundice

Breast Milk Jaundice

Early (Day 2-5)

Late (Day 5–7; peaks 10–14 days, can persist weeks)

Inadequate milk intake

→ dehydration & delayed

meconium → ↑

enterohepatic circulation

Factor in breast milk
(8-glucuronidase, free faity acids,
pregnane diol) → inhibits
bilirubin conjugation &
↑ enterohepatic circulation

May be dehydrated, poor feeding

Thriving, well-nourished, otherwise healthy

Unconjugated, moderate rise

Unconjugated, may be prolonged but not harmful

↑ Frequency & effectiveness of breastfeeding; ensure proper latch; hydration Continue breastfeeding (do NOT stop), reassure parents; monitor bilirubin; phototherapy if threshold crossed

"Feeding problem"

"Milk composition issue"

* Mcc of Carij bilirubin = Biliany atresia Z nappy stam: c vine * Mcc of pathological I = Rh incompatibility * MCC of KERNICTERUS Bilirubin enath

Putament palay

CRIGGLER

NAJAR Synu

WIRGT (archiel (a



- 3. A 6-month-old child with weight of 6 kg is brought to PHC in an unconscious state. Mother says that he has been having watery loose motions since last night and she has stopped counting after 10 episodes. On examination the child is listless, femoral pulses are thready and skin pinch is delayed to 5 seconds. Calculate the initial correction that will be given to this infant?
- a. Ringer lactate 180 ml over 1 hour
- b. Ringer lactate 180 ml over 30 minutes
- c. Ringer lactate 600 ml over 3 hours
- d. Ringer lactate 600 ml over 6 hours

Total Correction

AGE = sever delyN 30nl/kg = 180ml RL OVER 1 HOUR

Formily = 420 ml RL OVER 5 HOUR X - IV RL 180 ml OVER 1 HOUR \ \(\frac{1 yc}{6 Hour} \)
- IV RL 420 ml OVER 5 HOUR \(\frac{6 Hour}{6} \) IV RL 180 ml OVER 1/2 HOUR > 140 IV RL 420 ml OVER 21/2 HOUR 3 HOUR BMA needle * Inka-Osseus TIBIA [278 F>]

SOME deby N

6mth > 6kg x 75 ml/kg = 450ml OVER

W= Kmeg

SQUYS

No dehyn

Home made fluids > ORS

- Rice water

- 8kp syar, Itsp sall-IL WATER

Shey lige = < 24 HOURS

zinc: lomg < 6mth 2 who, 2omg > 6mthall Cases AGE 1 immunity I swrity of illn (repare) > TURNOVER exitherial cells ++ of gut * Resomal: Na = 45 meg/ Pemgd IV

SEVERE detyn (most reliable) 6kg, 2yrs -> 12kg (gex2+8) FEMORAL Pulses: THREADY PURGE Rate > 5 hoose stool In OBTUNDATION, PULSES (femiral) Jeeble THREAM SHOCK Shin Pinch delayed > 3 see * [not reliable SEVERE dely N



4. A 4 kg male baby is born to primigravida with gestational diabetes mellitus using a ventouse. He has macrosomia with hair on the pinna and has vigorous cry. Which of the following is correct about this baby?

- Low insulin + high insulin
- High blood sugar low swar => 3x Hb
- High Haematocrit
- d. Low cortisol (STRESS
 High HORMONE)



5. Congenital malformations develop in developing fetuses. Which of these is the most common one seen?

- a. Ventricular septal defect, peri-membranous type 801.
- b. Ventricular septal defect, muscular type 207.
- c. Congenital adrenal hyperplasia, salt wasting type
- (d.) Cleft lip and cleft palate



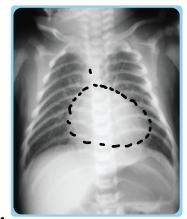
CENTRAL CYANOSIC

6. Mother in your OPD tells that her newborn born at home on day 1 is having poor attachment to breast and she is not able to breastfeed. On examination the child has dusky discoloration of lips and fingertips. O2 was started but cyanosis is persisting. CXR is shown below. Diagnosis is?

- Transposition of great arteries
 - Tetralogy of Fallot
 - Eisenmenger complex
 - Tracheo-esophageal fistula

BOOT JUANED 💜

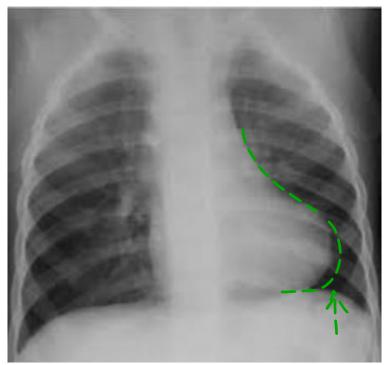




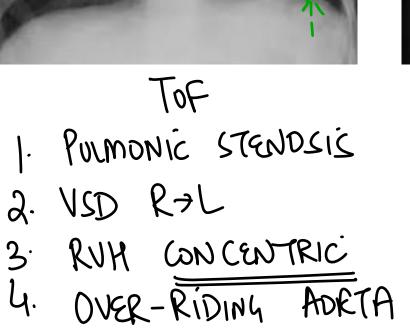


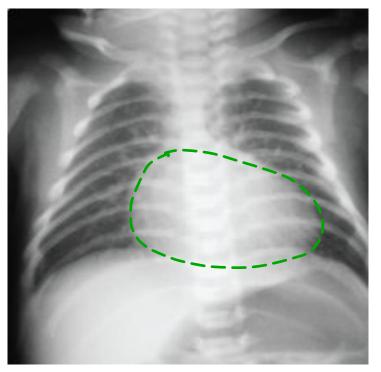
SHUNT REVERIAL

- * Drooling of * CHOWING



POF 5. ASD R->L



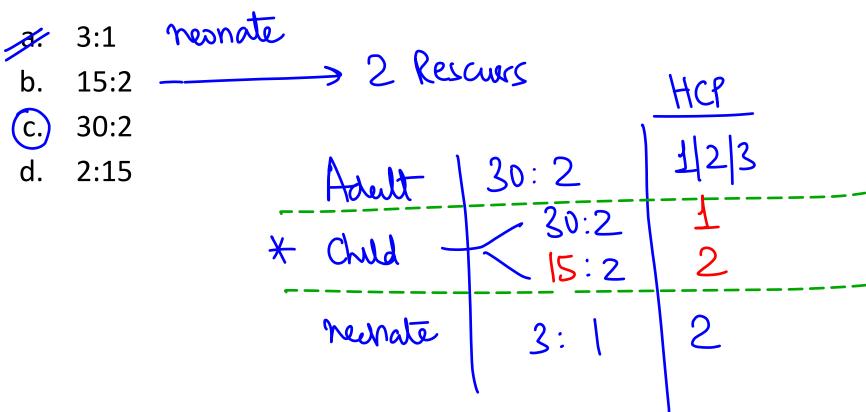


TGA * PA => LV * ADRTA => RV Central approximations

day O



7. A 4-year-old child is brought unconscious and unresponsive after electrocution to CHC. You start giving CPR to this child. What is the ratio of chest compressions: rescue breaths when you are the only health care provider available on duty?



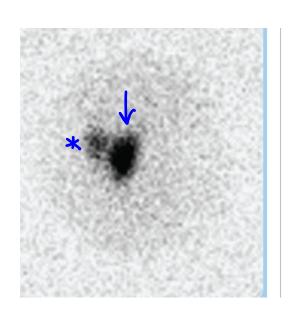


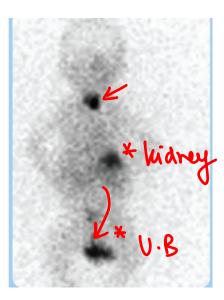
- If two rescuers are present (health-care providers): ratio is 15:2 (Compressions: breaths).
- If only one rescuer is present (layperson or health-care provider alone): ratio is 30:2 (same as adults).
- For newborn resuscitation in delivery room: ratio is 3:1.



8. Leading cause of congenital hypothyroidism?

- (a.) Thyroid dysgenesis
- b. Thyroid dyshormonogenesis
- c. Iodine deficiency
- d. Cretinism

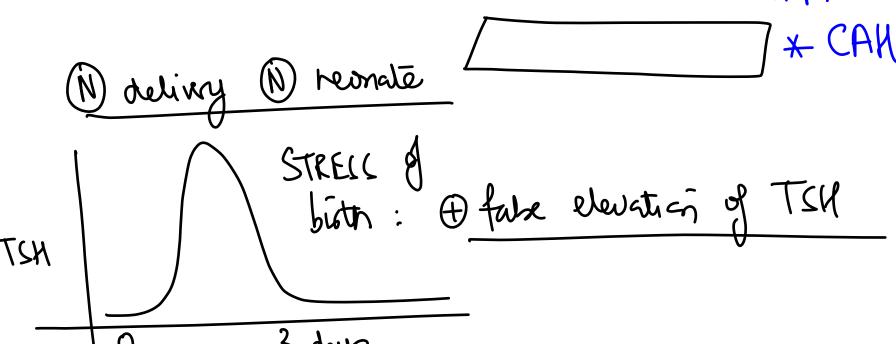






9. Dried blood spot from heel prick for diagnosis of congenital hypothyroidism is done at which time frame?

- a. Within 24 hours of life
- b. 24-48 hours of life
- (c.) > 72 hours of life
- d. > 4 weeks of life





- 10. 2-year-old child is admitted for work up of weight loss and recurrent pneumonia episodes. He also has greasy stools and is born to consanguineous marriage. Sputum culture shows
- * is born to consanguineous marriage. Sputum culture shows Burkholderia cepacia. Which of the following test is best to confirm the diagnosis of this patient?
 - a. DNA sequencing
 - b. Fecal elastase levels
 - c. Sweat chloride levels —
 - d. Urinary chloride levels
 - BARRIGR
 - hiteman

AR

CFTR #

Répresmonie + Steeturhee

* initial screening



11. Which of the following is not a feature of simple febrile convulsions?

- a. Occurs within 24 hours of fever
- b. IV diazepam for prevention of episodes
 - c. (No post ictal deficit 🗸
 - d. Single episodes per febrile episode 🖊

Asom

FEVER X 6 HRS
Single episode of
SEIZURE
Mychal Projector ±
? Febrile seizus

FEVER V 2 deep SEIZURE S Nuchal Righting ±

? Menvignitis



12. During post-round you notice a swelling on the head of a neonate born early morning to a vaginal delivery aided by a * ventouse You reassure the mother about self-resolution of this swelling. Diagnosis is?

** FRICTION: PEWIS VI Jetal head

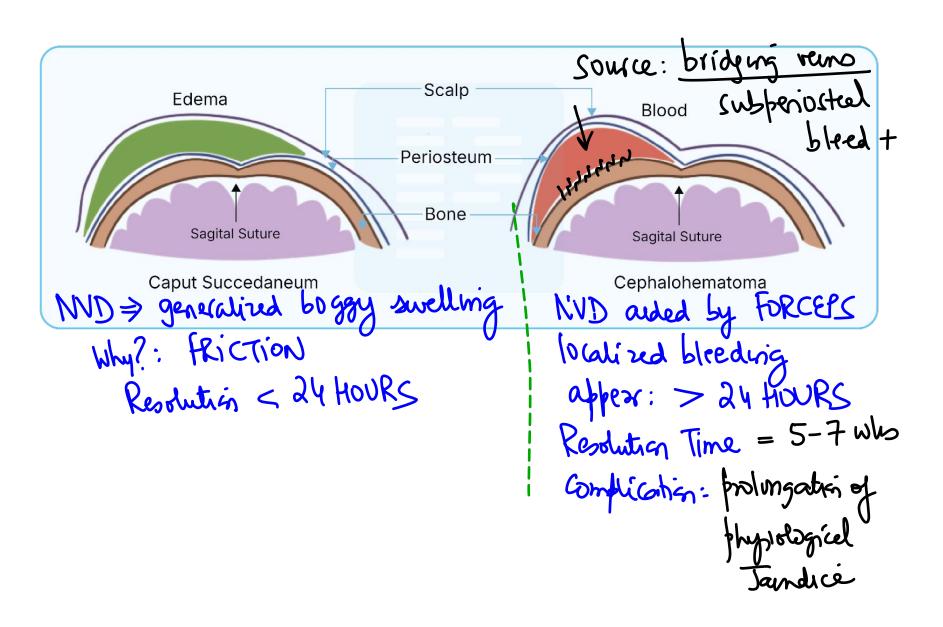
a. Caput succedaneum

(b.) Chignon Suction Cut MARK

c. Cephahematoma > 24 HOURS

d. Moulding OVER-RIDING SUTURES







PT

13. A premature 32-week boy born with a weight of 1.4 kg is having a shrill cry. On examination an asymmetric moro reflex with bulging anterior fontanelle is seen. Which of the following investigations should be done on this child on first priority?

N.

Lumbar puncture

b. X ray clavicle with shoulder

(C.)

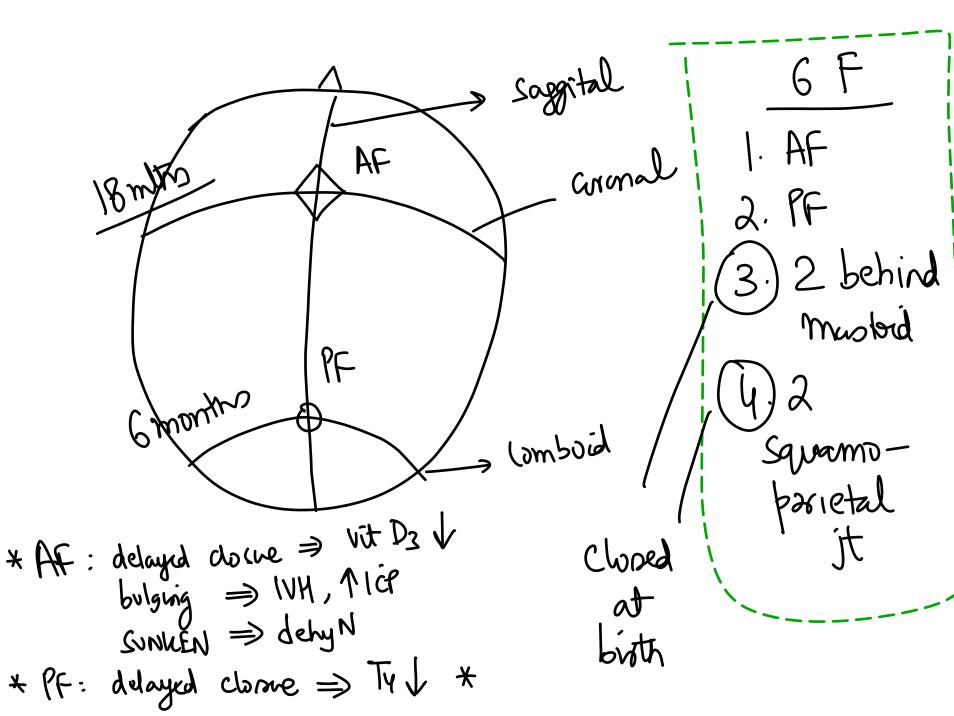
Ultrasound skull ++

Capillary blood sugar

RAISED ICP: CI

* # Clavide, HUM ERUS ** Bulging AF: IVH

SUNKEN AF = deby N





14. Which of the following can a three old child perform?

a. Skipping → 5%
b. Copies a triangle → 5%
c. Hop on one foot → 4%

Tell name and gender



15. Which of the following is seen in Down syndrome?

b.

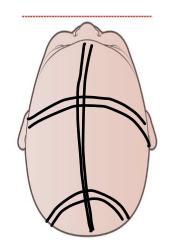
Progeria

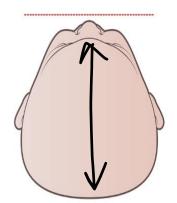
High IQ

accelerated ageing

Craniosynostosis PREMATURE SUTURAL FUSION Brachycethaly

Occalental Alexand







TRISOMY 21 => - endocardiel Cushian défect - AV conal defeat - O. primom defect 46 XX 46 XY + TURNER phenotype NOONAN SYM => pulmonic stenonis * TURNER IM => BAV > COA William syn => Supravalud & AS



16. A 6-month child is having tet spells. CXR is shown below. Which is correct about first line management of this presentation?

a. Alprostadil infusion

(b.) Knee chest position

c. Indomethacin P.D.A:PT

d. Blalock Taussig shunt

Cry: lips: blue -> black HYPER(YANOTIC Spells

- Knee Chest position: 1 TPR: R->LV PRPNL, murphine



17. 2 kg term small for gestational age neonate is having icterus on day 1 of life involving palms and soles. Total serum bilirubin is 20 mg/dl, unconjugated Bilirubin 18 mg/dl. Which of the following investigations should be done first to identify pathological Jaundice the cause?

- TORCH a.
- G6PD assay
- Apt test for swallowed maternal blood
- Maternal and baby group

199 YY against 8+ CROSS placenta

* Rh mampatibility

Hemolypis in Jetus Hbd * IMMUNDGENIC HYDRUPS CHF FETALIC



18. Leading cause of conjugated hyperbilirubinemia in children?

- (a) Biliary atresia
 - b. Breast milk jaundice
 - c. Breast feeding jaundice
 - d. Rh incompatibility

> Jaundice: Fdays of life notypy staving Mustard yellow vivie

 \star USG: initial Δ

* HIDA: loc

* Rx: KASAI procedue

PORTO ENTERU STOMY < 6 mth of gre

differential ganosis



19. A short stature girl is brought to OPD with complaints of dusky blue colour of her toes. On examination she has a webbing of neck and low hair line. Nipples are hypoplastic and the carrying angle at the elbow is increased. Radio-femoral delay is present. Karyotyping reveals 45XO. Which of the following cardiovascular conditions is responsible for this presentation?

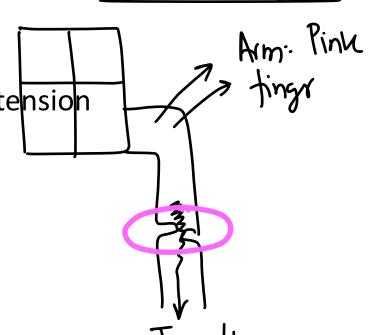
(SA

a. Bicuspid aortic valve

(b) Coarctation of aorta

c. Persistent pulmonary artery hypertension

d. Mitral valve Prolapse





20. A 25-year-old lady on lithium was conceived accidentally. Which of the following heart valves is likely to be malformed?

- **Tricuspid**
 - **Pulmonic**
 - **Aortic**
 - Mitral

Ebstein anomaly * TR, TS



21. Neonate is having respiratory distress on day 1 of life. On examination, scaphoid abdomen is noted. CXR shows apparent dextrocardia and dilated bowel loops on the left side of the chest. Which of the following is correct about this presentation? Congenital diapher. HEWA:

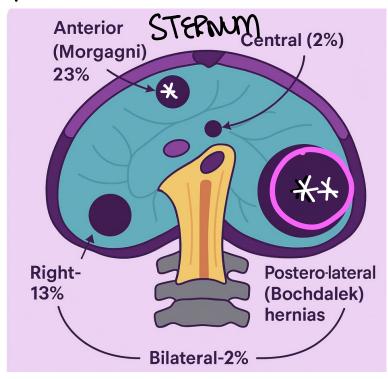
mugagm. a.\ MC viscus is transverse colon

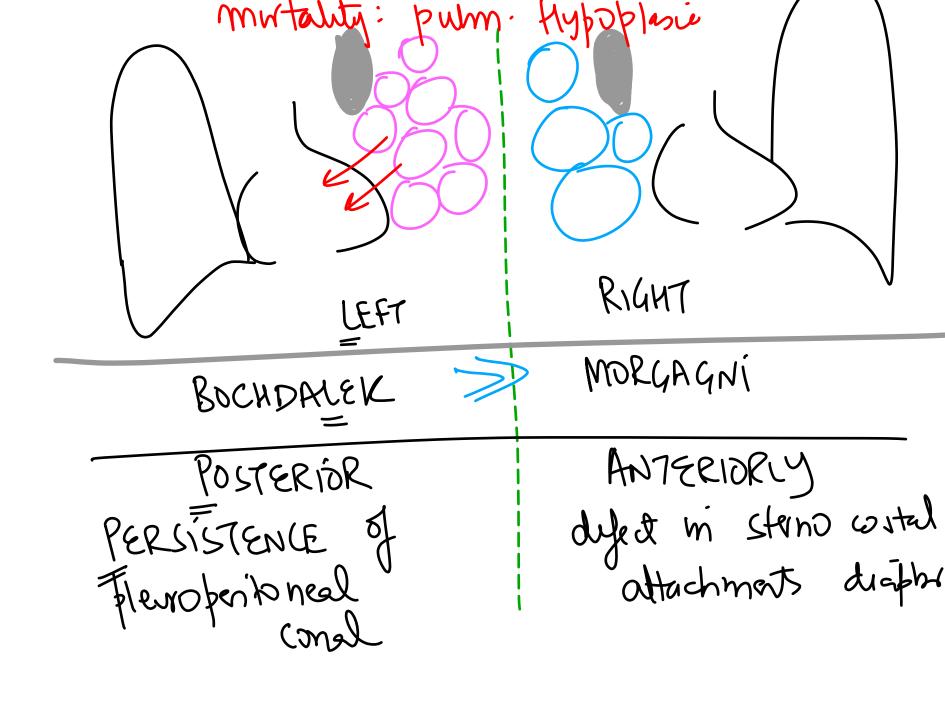
b.) Defect between sternal and costal margins of diaphragm

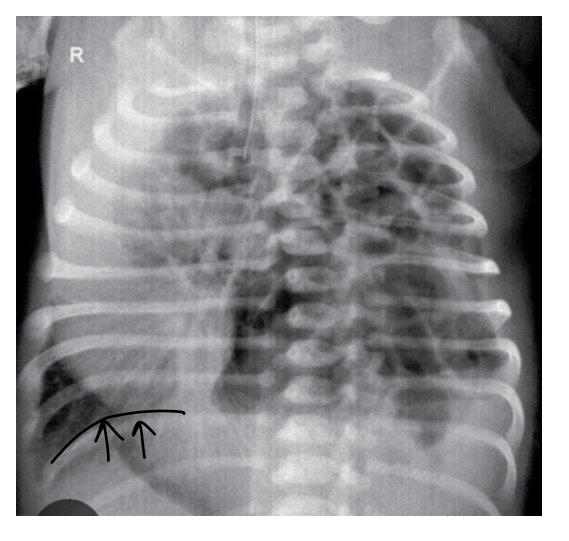
c. Occurs due to persistent pleuroperitoneal canal

d.) Anteriorly placed herniation of bowel contents into chest wall

a,b,d: MORGAGM







Bochdalek

+ Cyptic Adenomatical
mathematical

* SCAPHOID Abdomen * CYANDSIS at birth on crying * CXR: app. destro cardie bowel loop

R.D++: neonate | injont

S CDH



T.E. FISTUA

22. Neonate born at 38 weeks of gestation, in the first few hours of life develops frothing, bubbling and drooling of saliva. Mother says she noticed regurgitation of initial feeds with choking and cyanosis when feeding was done in presence of medical staff. Which of the following investigations should be done next?

- (a) CXR with NG tube in situ
- b. Barium swallow
- c. Endoscopy
- d. Barium enema

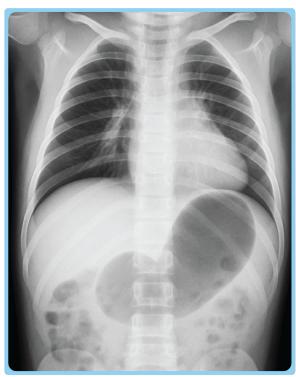


23. Term neonate on day 1 develops bilious vomiting without abdominal distention. X-ray Abdomen is shown below. Best

intervention is

- a. Wait and watch
- b. Diamond shaped duodeno-duodenostomy
 - c. Gastrojejunostomy
 - d. Duodenojejunostomy

1: duodinal atresie



double bubble app



TERM

24. A 38-week neonate is brought with gross abdominal distention on day 3 of life. On enquiry mother says that meconium has been passed. Digital rectal examination shows empty rectum followed by passage of toothpaste like stool. Which of the following testing should be done to confirm the HISCHISPRUM DISEPHE X diagnosis?

- Barium enema a.
- Air enema b.
- aganglionosis = Recto-signoid Rectal suction biopsy c.
 - Ano-rectal manometry

RX: - DUHAMEL SVAUE



25. A 34-week-old preterm girl child delivered at home was started on cow milk feeds by grandmother as mother was admitted due to puerperal sepsis. She develops hematochezia and is brought to hospital with abdominal distention. Clinical diagnosis is?

a.

Volvulus of stomach - vomitting
Intussusception - Cry, Red current Jely stool, 9mth c b.

Necrotising enterocolitis

IHPS - Vomithing

L> lactaglobilin #, PRETGRM

children HEMATO CHEZIA 1. Rectal Polyp MCC: 2. Mechel's D: 2 feet from descared 3. (CONSTIP ATION) ANAL FISCURE echopic jastaci mucusa poncreatici 4. INTUCCUSCEPTION 9mbro: CRY, lump mi Rif ± Red Current jelly stool vacare

5. PT: COW MILL: NEC

Air enema



26. A 4-year-old child presents with swelling all over the body. Work up shows proteinuria > 40 mg /m2 BSA with hypoalbuminemia. KFT is normal. C3 levels are normal. USG shows normal size kidneys. What is best treatment for this Minimal change case

- Steroids plus spironolactone
- Steroids plus hydrochlorothiazide
- Steroids plus ACEI
- Steroids plus cyclophosphamide

* MASCIVE proteinmai

S. albumin

discare

edeme

Rx: Sprindacture + prednjoure



27. The 5-year-old girl is having fever, abdominal pain and dysuria. Following work up was done by consultant and he is asking you to identify the investigation performed

- a. Intravenous pyelography
- b. Retrograde pyelography
- c. Voiding cystourethrography
- DTPA scan muden scan





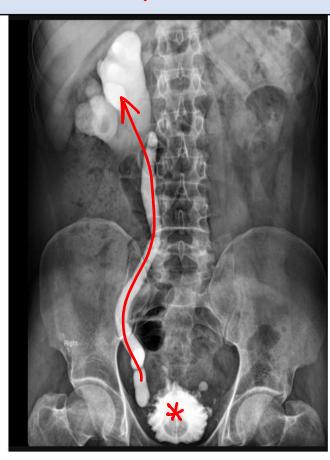
Christmas TREE app

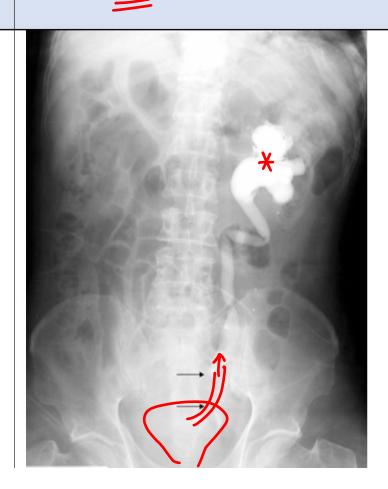


VCUG

V.U.R.

Retrograde pyelography







IVP DJ stent







ambigous genithée

- 28. Mother brings her 5-year-old girl child due to peculiar appearance of genitals. You notice clitoral hypertrophy with labia minora fusion and hyperpigmentation around genitals. USG shows uterus with ovaries. Karyotyping reveals 46 XX Which of the following is the first differential diagnosis?
- a. Testicular feminization syndrome
- b. True hermaphrodite
- c. Turner syndrome
- d. Congenital adrenal hyperplasia

P: DHEAS T

CAH 21 Hydroxylare 0 1 DUEAS 1 aldosterne 1 artobl CHOLESTEROL I ALDOSTERONE HYPER114MN Salt wasting, craving Sugar



29. A 2-year-old boy is brought for a poor urinary stream. On examination external urinary meatus is normal. Per abdomen shows a dilated urinary bladder. First differential diagnosis is?

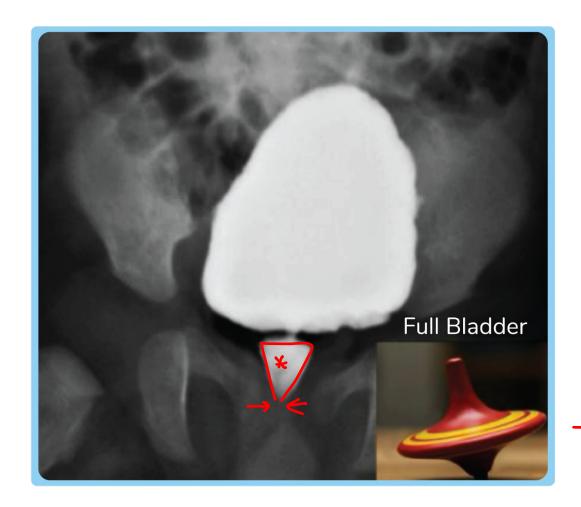
a. Posterior urethral valve

الله Phimosis

Paraphimosis

d. Hypospadias MEATUS OPENS UNDERSURFACE of PENIS





Spinning
Top
of
pronumal
URETURA
VCUG
PUV *



30. Which of the following is the cause of death in case of measles? RUBEOVA

- Secondary skin infections a.
- INTERCTITIAL Presmonie Hetchl pneumonia b. **SSPE**
 - d. Reye syndrome



31. Earliest manifestation of neonatal syphilis is?

- **Snuffles** a.
- Hutchison teeth | \ate syphilis
 Mulberry molars
- d. Saddle nose

morwahmediane @ gmail. am



32. Microcephaly and periventricular calcification is seen in which of the following?

- **CMV**
 - **Toxoplasmosis**

INTRA CEREBRAI Wajication

- **HSV**
- **Syphilis**



Microcephaly in CMV = due to global neurodevelopmental arrest + neuronal loss (primary brain growth failure)

Calcification are sequelae, not the cause of microcephaly.



33. 2-year-old is diagnosed to have an abdominal mass. USG shows mass origination from the left supra-renal gland. Testing shows 24-hour urinary VMA levels to be elevated. Diagnosis is

- a. Wilm tumor
- (b.) Neuroblastoma N-myc, ch 1 #
 - c. Hepatoblastoma
- d. ARPKD



34. Which of the following is not seen in marasmus?

- a. Monkey facies 🗸
- b. Baggy pants
- (c.) Pitting oedema KWASHIORHOR
 - d. Early recovery and less prone to infections

```
* Kwashirthy => PROTEII mitake & Caluric & flag signs, bedal edeme, Helpalomegaly flaky paint dermatoris

APATHETIC Child, INFECTIONS +

TUBE FEEDING
```



35. Severe acute malnutrition is defined as MAC less than?



- b.) < 11.5 cm
 - c. <12.5 cm
- d. <13.5 cm



36. Ideal temperature of neonatal resuscitation room should be?

- a. 36.5 to 37.5 C
- b. 32-35 C
- c. 28-32 C
- d. 26-28 C



37. Ideal route of drug administration in neonatal resuscitation is? Adventure: W

- (a.) Umbilical vein
- b. Umbilical artery
- c. Subclavian vein
- d. Internal jugular vein

```
Imp, blue, No cry

1. B 8 M X 30 sec

2. B 8 T X 30 sec 7 3:1

3. Chest compression
4. iv Adresaline
```



38. Bag and mask ventilation is contraindicated in all except?

- a. Meconium aspiration syndrome
- b. Diaphragmatic hernia Stomach dustenti
- c. Tracheoesophageal fistula 🗸
- d.) Hypoxic ischemic encephalopathy



Air passes preferentially into stomach via fistula \rightarrow gastric distension, worsens respiratory compromise in TEF

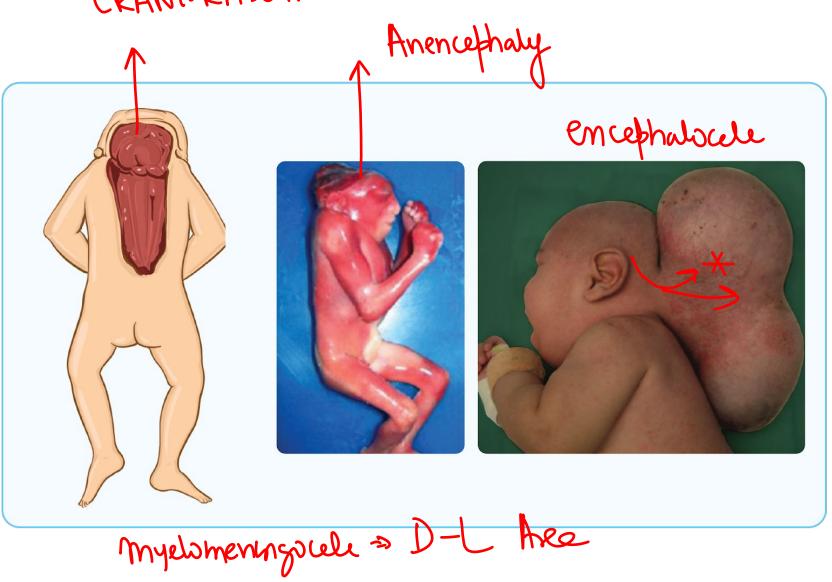


39. Which of the following is not a neural tube defect?

- a. Sacral agenesis 🗸
- (b.) Sacrococcygeal teratoma
 - c. Craniorachischisis 🗸
 - d. Spina bifida occulta 🧹



CRANFRACCHISIS

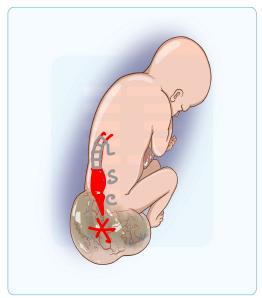




40. A 2-day-old female neonate presents with a large mass arising from the sacrococcygeal region. The swelling is predominantly external, well-circumscribed, and non-tender. The ultrasound abdomen shows no significant intra-pelvic extension. Serum alpha-fetoprotein is elevated. Which of the following is the most appropriate management?

SACRO COCCYGEAL TERATOMA

- a. Excision of the mass alone
- b. Excision of the mass with coccygectomy
 - c. Observation till 6 months of age
 - d. Chemotherapy followed by surgery





- Sacrococcygeal teratoma is the most common neonatal tumour, usually seen in girls.
- Associated with elevated AFP. Definitive management = complete surgical excision along with coccygectomy to reduce recurrence risk (since coccyx contains totipotent cells).



41. A 12-month-old child is brought with mother reporting difficulty in crawling. You notice that the child does commando crawling. He was born a preterm child and has global developmental delay. Diagnosis is?

- a.) Spastic diplegia
- b. Spastic quadriplegia
- c. Spastic hemiplegia
- d. Atonic cerebral palsy

HMD: 102 PERIVENTRICULAR domage: actionshind

SHOCK



42. An 8-year-old child is brought into an unconscious state. He had been complaining of abdominal epigastric pain for the last 2 days with multiple episodes of vomiting. On examination pulse is thready, BP is not recordable. Venous blood gas sample shows pH: 7.3, pC02=30 mm Hg, HCO3=15 meq/L and RBS is 400 mg/dl. Urine ketostix is 4+. Which of the following is the next best step intervention as per ISPAD guidelines?

- 🚁 Insulin botas followed by insulin infusion
- b. Normal saline 0.9% over 1 hour followed by insulin infusion
- c. Normal saline 0.9% boluses @20 ml per Kg followed by normal saline 0.9% infusion for 1 hours
- Perform ABG as VBG is not reliable for diagnosis of metabolic acidosis

DKA 39 m/V IV NS + KCL IV. Bolus NS 10-20 ml/ kg Till gord volume pulse 1 HOUR Insulin drip NS + KU moulm drip



43. Which of the following should be given for management of hidden hunger in Indian population? MICRONUTRIENT

- a.) Iron
 - b. Proteins like eggs and chicken
 - c. Carbohydrates with low glycaemic index
- d. Carbohydrates with high glycaemic index —

- 2 m 1 salt
- dewarning
 - IRON Tablets
 - + vit C



- 44. A 2-year-old child weighing 10 kg develops acute gastroenteritis with some dehydration. How much ORT should be given to this patient?
- a. 300 ml over first 4 hours + 10 ml / kg/ Stool
- b. 700 ml over first 4 hours + 10 ml / kg/ Stool
- c.) 750 ml over first 4 hours + 10 ml / Kg/ Stool
- d. 1000 ml over first 4 hours +10 ml /kg/ stool





45. Leading cause of delayed closure of anterior fontanelle is?

- a. Hypothyroidism
- b. Rickets
 - c. Hypogonadism
 - d. Kwashiorkor

* NUTRITIONAL RICHETS



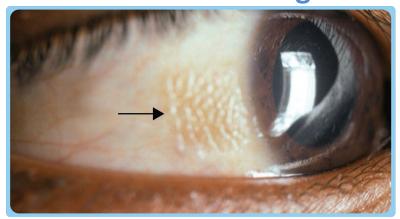
46. You are examining an 8-month-old infant in a well-baby clinic. You notice widening of wrist joint with frontal bossing. In work up: X-Ray of wrist joint is shown below, serum calcium is low, serum phosphate is low and SAP is elevated. Which of the following is correct about the management?

- a. 6,000 IU of vitamin D3 with supplemental calcium daily for 10 days
- b.) 60,000 IU of vitamin D3 with 6 lec W supplemental calcium daily for 10 days
 - c. 200,000 IU of vitamin D3 with supplemental calcium daily for 10 days
- d. 600,000 IU of vitamin D3 with supplemental calcium daily for 10 days





47. A 2-year-old child is brought by mother saying that the child cries a lot at night. You notice the following eye findings. Which is correct management?



BITOT SPOTS

- a. 2 Lac IU oral vitamin A single dose
- b. 2 Lac IU of Oral Vitamin A daily every 6 months till the age of 5 years -> アロアトントスバン
- (c.) 2 Lac IU of Oral Vitamin A on day 0,1, 14
 - d. 2 Lac IU of Oral Vitamin A on day 0, 1,14,28



48 3-year-old child presents with high grade fever for 1 day with dysphagia, drooling of saliva and muffled voice. On examination the child has adopted a sniffing position and stridor is heard. X-ray of neck is shown below. Which of the following should not be done in this case? aute epislothis

- Start oxygen VIV ceftriaxone
- Throat examination with indirect laryngoscopy
- d. Avoid sedation

Trigger laynospasm



THUMB SIGN



acute epiglolitos

L.T.BN CROUP



THUMB SIGN



* Steeple signi



49. Which of the following is correct management of acute rheumatic carditis?

- a. Aspirin
- b. Steroids
 - c. Injection benzathine penicillin $\longrightarrow {}^{\circ} {}^{\circ} {}^{\circ} {}^{\circ} {}^{\circ} {}^{\circ}$
 - d. Lasix with digoxin

RF: Arthritio: Aspirin

Cardito: STERDIDS

[1°) RF my Benzethnie benzillin 1:m

Secondary A EVERY 4 Who

MS: PMBV prophylanis

MR: Valvuloplasty



50. Definition of hypoxic ischemic encephalopathy is

- Apgar score of > 7 at > 5 min
- Appar score of < 7 at > 1 min Indication for NN Resus N b.
 - Apgar score of < 5 at > 5 min
- Apgar score of > 3 at > 5 min



51. Leading cause of immunogenic hydrops fetalis

- a. Alpha thalassemia
- b. Beta thalassemia
- c.) Rh incompatibility
- d. Twin to twin transfusion



52. Advanced bone age is seen in which of the following?

- (a) Congenital adrenal hyperplasia
 - b. Hypothyroidism ✓
 - c. Hypopituitarism 🗸
 - d. Testicular tumor

delayed Bore age
Hypothyradism
Hypothyradism
Hypogonadism

GH
TYT3 1
Terbstrone 1
DHEAS 1



53. A full-term newborn is evaluated at 1 minute of life. The

following observations are made:

Heart rate: 120/min 2

Respiratory effort: slow, irregular $\frac{1}{2}$

Muscle tone: some flexion of extremities Δ

Reflex irritability: No response

Colour: body pink, extremities blue 🕹

What is the APGAR score of this newborn?



a. 3 b. 5 c. 7

Apgar Scoring System				
Indicator		O Points	1 Point	2 Points
A	Activity 🐥 (muscle tone)	Absent	Flexed limbs	Active
Р	Pulse	Absent	< 100 BPM	> 100 BPM
G	Grimace (reflex irritability)	Floppy	Minimal response to stimulation	Prompt response to stimulation
A	Appearance (skin color)	Blue Pale	Pink body Blue extremeties	Pink
R	Respiration	Absent	Slow and irregular	Vigorous cry



54. A Child can play vocal tennis and fixate on an object in midline at which age in months?



b. 4

c. 5

d. 6





55. A 2-year-old child presents with developmental delay, seizures, hypopigmented skin and a mousy odor to urine. Which enzyme deficiency is responsible?

- a. Homogentisate oxidase
- b.) Phenylalanine hydroxylase
- c. Branched chain α-ketoacid dehydrogenase
- d. Tyrosinase

phenylacetate tt

Phenyaline Tyrosine Melanin



56. A 6-year-old boy presents with massive splenomegaly, anemia, and bone pain. Bone marrow aspirate shows macrophages with a "crumpled tissue paper" cytoplasm. This condition is most commonly due to mutation in which gene located on which chromosome?

- a.) GBA gene on chromosome 1q21
- b. GLA gene on chromosome Xq22
- c. SMPD1 gene on chromosome 11p15
- d. GALC gene on chromosome 14q31

galactoordane: FABRY: XLR



• GLA gene \rightarrow located on Xq22 \rightarrow encodes α -galactosidase A

→ defect causes **Fabry disease** (X-linked)



- 57. A 6-month-old infant presents with hypoglycemia, hepatomegaly, and lactic acidosis. Which test is diagnostic for confirming Von Gierke disease?
- a. Peripheral blood G6PD assay
- b. Buffy wat G6PD assay
- (c.) Molecular sequencing
 - d. FISH



 Nowadays, molecular genetic testing (G6PC gene mutation analysis on chromosome 17q21) has largely replaced invasive biopsy.G6P assay requires a liver biopsy (because the enzyme is located in the endoplasmic reticulum of hepatocytes and renal tubular cells)



58. Which of the following is NOT a sign of correct attachment of baby to the breast?

- a. Baby's chin touches the breast
- b. Mouth is wide open
- c. Lower lip is turned outward
- d. More areola visible below than above the mouth



59. In boys the first visible sign of puberty is

- a. Penile enlargement
- (b.) Testis enlargement
 - c. Pubic hair
 - d. Deeping of voice



60. In which neural tube defect, surgical repair is feasible and can increase survival?

- a. Cranioschisis
- b. Anencephaly
- (c.) Meningocele
- d. Spina bifida occulta



- 61. A Child is admitted with a diagnosis of TB meningitis. Which of the following is not correct about this condition?
- (a.) Give mannitol to reduce vasogenic cerebral oedema
 - b. Sutural diastasis Hydrocephalus
 - c. SIADH 🗸
 - d. Basal exudates 🗸

Rx ATT + denamethaure

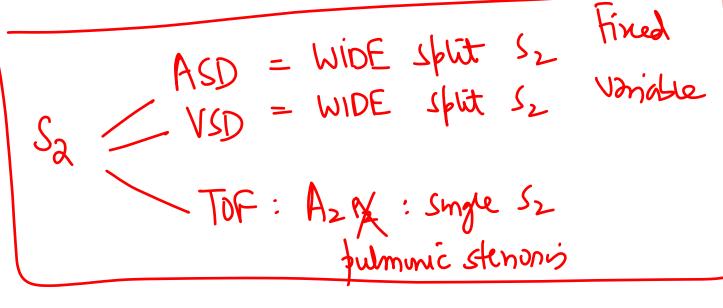
Vanogenic + CEREBRAL Dedense





WIDE VARIABLE SHIT

- (a.) ASD
- b. VSD
- c. PDA
- d. TOF





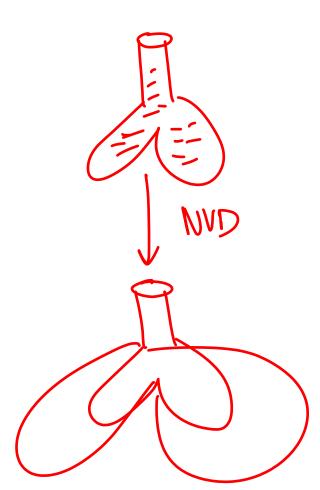
63. Leading cause of short stature is?

- a. Achondroplasia
- b. Hypopituitarism
- c. Constitutional delay in growth
- d. Caries spine



64. The leading cause of respiratory distress in a baby born by LSCS 1 hour ago is? PRE-TERM: SURFACTANT V

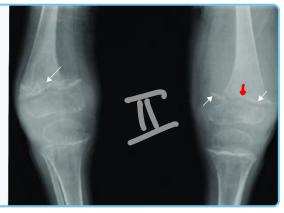
- Hyaline membrane disease
- TERM, LSCS **TTNB**
 - MAS POST TERM
 - Congenital diaphragmatic hernia





65. A 2-year-old exclusively breast-fed child is brought to hospital with following chest wall deformities and inability to walk. X ray of extremities is shown. Diagnosis is

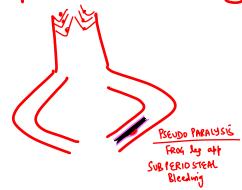




X Ray Kree
FRANKEL
Une

- a. PEM
- b. Vitamin D3 deficiency
- c. Vitamin C deficiency
- d. Calcium deficiency

RACHITIC RUSARY SCORBUTIC ROSARY





66. The following changes are seen in



* PERIORAL * PERI-ANAL RASH

Zinc definency

- a. Impetigo HONEY (RUST App
- b. Hand foot mouth disease BUSTERS SOLES PAMS
- (c.) Acrodermatitis enterohepatica
- d. Dengue Rash SADDLE BACK FEVER X



67. A Child presents with fever and following lesions. Likely a causative agent is?



HAND FOOT MOUTH disease Coxsachie A

Enterovirus a.

Dengue virus

Coxsackie B virus -> MYO CARDITIS, PLEURITIS

Rickettsiae



Coxasackie A 🗸	Coxsackie B
Herpangina	Pleurodynia ("Devil's grip")
Hand -Foot -Mouth Disease (HFMD)	Myocarditis,
Acute hemorrhagic conjunctivitis	Aseptic meningitis, V Pancreatitis VIminant
	diabeto



- 68. A Child from Kashmir is brought with complaints of fever, headache and rash on the entire body including palms and soles. On examination hepatosplenomegaly is present.

 * Welix-felix reaction is positive. Diagnosis is?
 - a. Measles
 - b. Chicken pox
 - c.) Rickettsia
 - d. Scabies



- Measles: Rash spreads cephalocaudal, usually spares palms/ soles, Koplik spots instead
- chickenpox: vesicular rash in crops, Centripetal distribution, not typically palms/ soles
- Scabies: Intense itching, burrows, not febrile illness with systemic features.

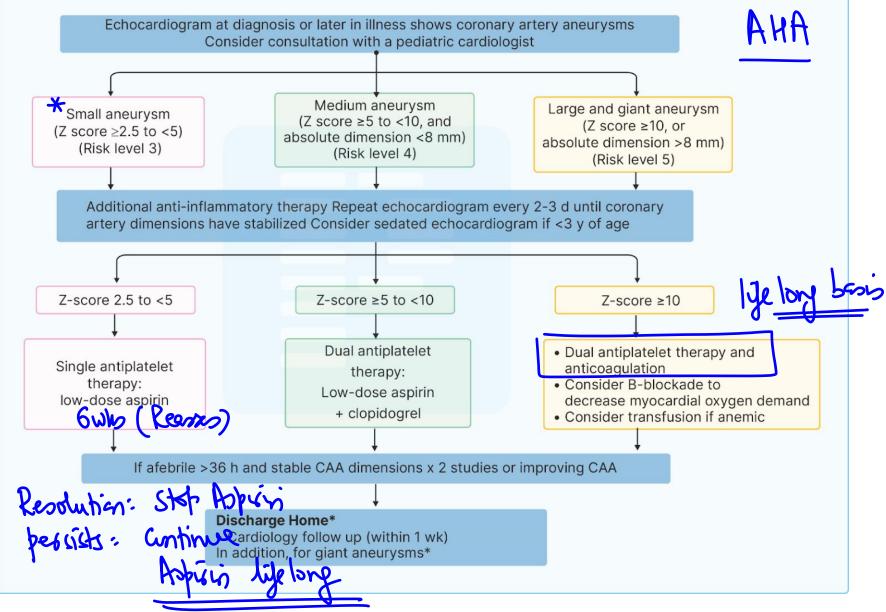


69. A patient with Kawasaki disease is having <u>large</u> coronary artery aneurysms. Which is correct about its management?

- a. Aspirin for 6 weeks
- b. Aspirin plus clopidogrel for 6 weeks
- c. Aspirin plus steroids for 6 weeks
- d.) Aspirin life long

H Aspirin DART







SSSS: S.AUREUS

70. This child is admitted to ICU with high grade fever and extensive skin desquamation as shown in the image. What is the cause?

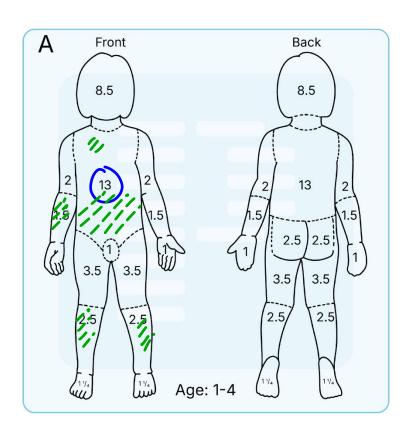
- (a) Staph aureus
 - b. Varicella zoster
 - c. Herpes simplex
 - d. Klebsiella

Reiter syn Chlamy die CANT SEE, PEE, WALK





- Anterior trunk (chest + abdomen): 18%
- Anterior surface of both thighs (partly visible): 9-10%
- Anterior surface of one leg/ foot (right foot clearly affected):
 -4-5%
- Total Burn surface area (TBSA): = 30-33%

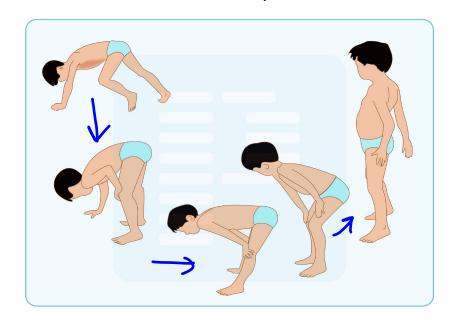




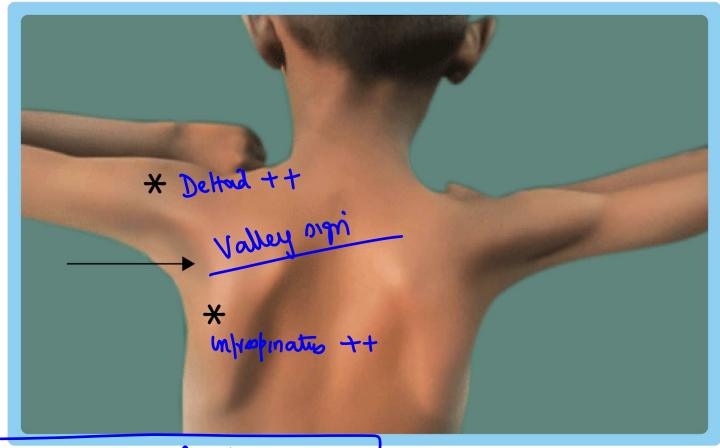
71. The following sign is seen in?

GOWER SIGN: DMD

- a.) Xp21 mutation
 - b. Channelopathy
 - c. Laminopathy
 - d. F 508 mutation







* Pseudott of Call muscles * Valley Dign



72. A 10-year-old child was having multiple vomiting episodes after consuming mithai (milk- products) at a school function. He was given injection metoclopramide 10 mg following which he developed the bizarre postures of face like sustained grimacing and eye deviation — What should be the line of treatment?

- a. Reassure and send home with ORS and domperidone
- (b) Admit and give i.m Promethazine
 - c. Admit and give IV Ringer lactate
 - d. Admit and give IV Hydrocortisone

of Ach

dopamine



Classic case of acute dystonia due to metoclopramide (a dopamine antagonist).

Symptoms: sustained grimacing, oculogyric crisis (eye deviation), facial dystonia.

Management: Give an anticholinergic or antihistamine with anticholinergic properties (e.g., promethazine IM, benztropine, diphenhydramine).



\ XLD

73. Girl child is brought with complaints of loss of purposeful hand movements, hand washing movements and developmental regression. Work up shows MECP2 mutation. Diagnosis is

- a. ADHD
- b.) Rett syndrome
 - c. OCD
 - d. Hysteria



74. A 5-year-old child being worked up for weight loss and iron deficiency is found to have scalloped duodenal mucosa. Small intestinal mucosal biopsy shows villous atrophy. Which of the following food items can be given to this child?

a. Sooji V Wheat

Celiaic sprue X

- b. Oats
- c. Maida wheet
- d. Bajra



75. A 10-year-old child with progressive pallor is brought to hospital. On examination you notice petechiae around ankles purpura on buttocks and thighs. Per abdomen * examination is normal and no bony tenderness is noted. Work up show Hb 9 gm%, TLC 8000/cu.mm and platelet count is 30,000/ cu.mm. Bone marrow shows normocellular marrow with megakaryocyte hyperplasia. Diagnosis is

- Acute Leukaemia HSM, bone Tenderness
 Immune thrombocytopenia Rx 1VIG STEROIDS
- Henoch Scholein purpura
- Thalassemia trait

F. Thalassemia trait bleeding

Non thrombouy phenic buting, IgA# abdo pahi

which abdo pahi

which gie