



1



There is no handout for this talk
Don't blame Brittany and Jessica
Blame me

2

I prefer my talks to be active learning, not passive listening... especially before happy hour!



3

Okay, let's get down to business!



4

4-day old boy with severe jaundice



5

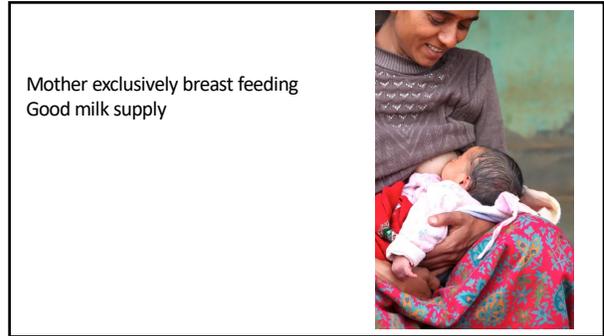
Mother G2 now P2 with a prior daughter who never had jaundice



6



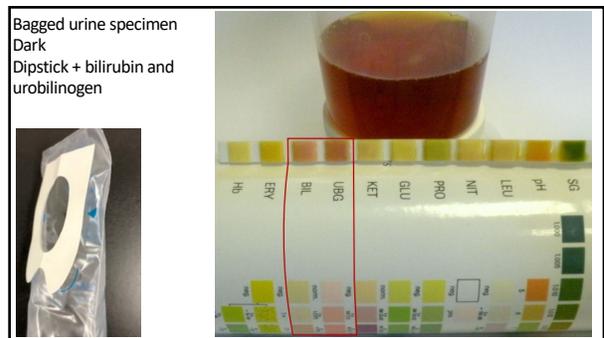
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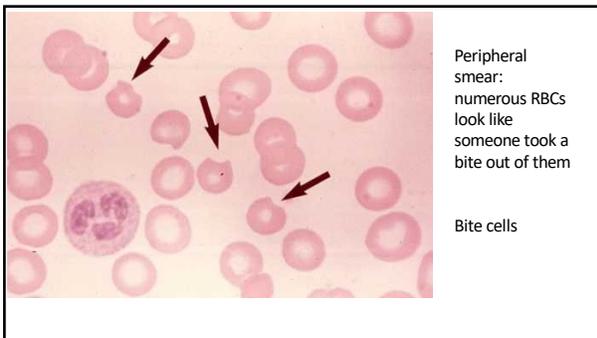
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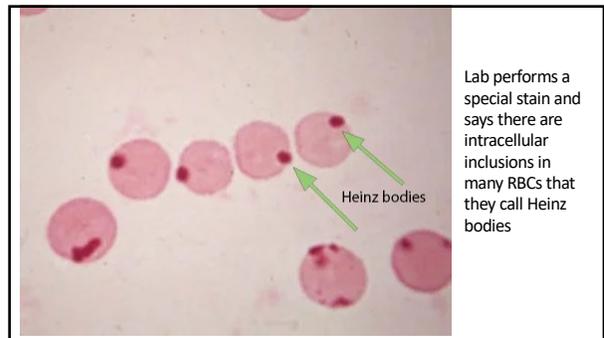
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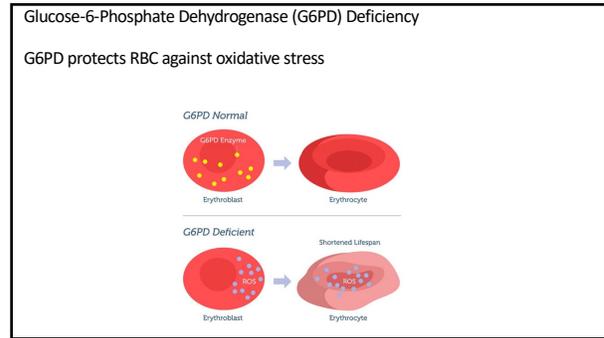
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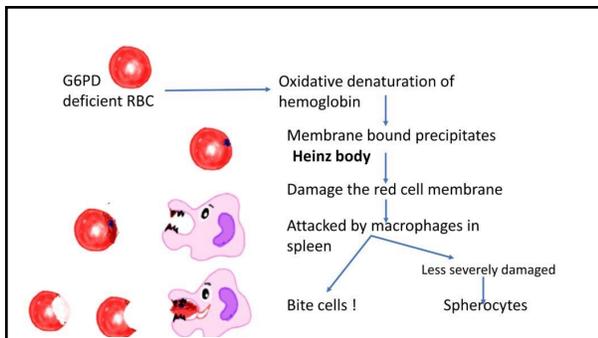
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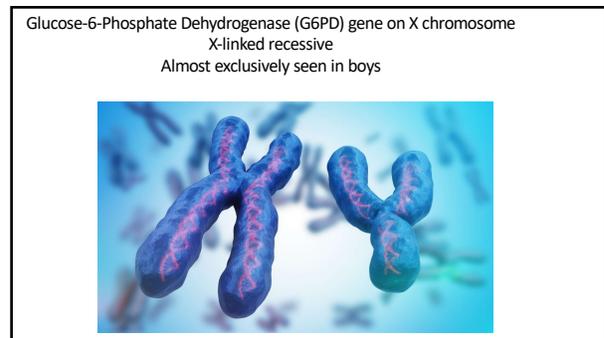
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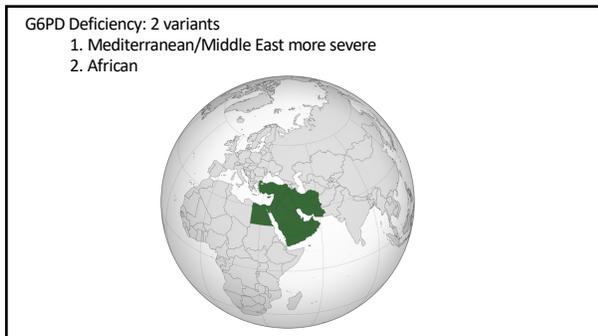
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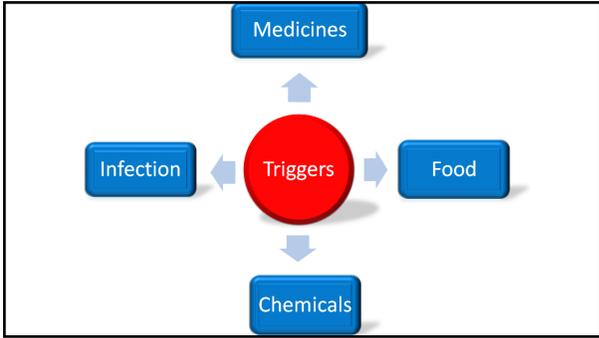
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24

T= 36.0°C
 P= 158 bpm
 BP =100/62 mmHg
 RR = 54 per minute
 Initial SaO₂ = 77%.
 Central cyanosis lips, nail beds, earlobes, mucous membranes
 Capillary refill time normal
 No murmur
 Clear lung fields; no grunting, no retractions



25

Nasal CPAP
 30% → 100% oxygen
 O₂ sats = 80%



26

Formula feeding with normal growth and development
 Neonatal screening was normal including G6PD deficiency



27

NNP places radial arterial line



28

ABG
 pH 7.43
 pCO₂ 34
 pO₂ 160
 O₂ Hb 80%

Interpret



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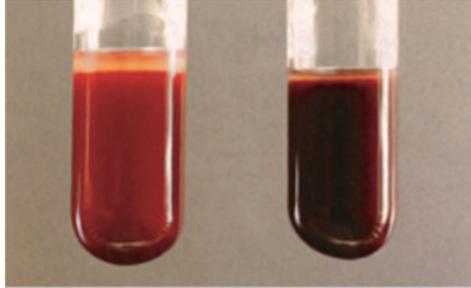
ABG
 pH 7.43
 pCO₂ 34
 pO₂ 160
 O₂ Hb 80%

If pO₂ 160, O₂ sat should be 100%



30

If pO₂ 160, blood should look **bright red** not chocolate brown



31

More history: Family lives on a Nebraska farm



32

4 hours ago: Grandmother prepared formula with spinach juice made with home grown spinach and farm well water



33

What test should you order on the ABG?

34

ABG
 pH 7.43
 pCO₂ 34
 pO₂ 160
 O₂ Hb 80%
 Met Hb 20%



35

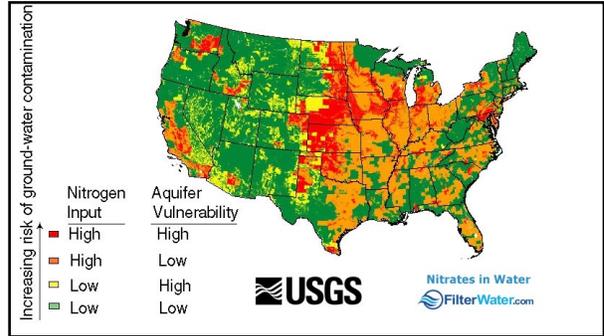


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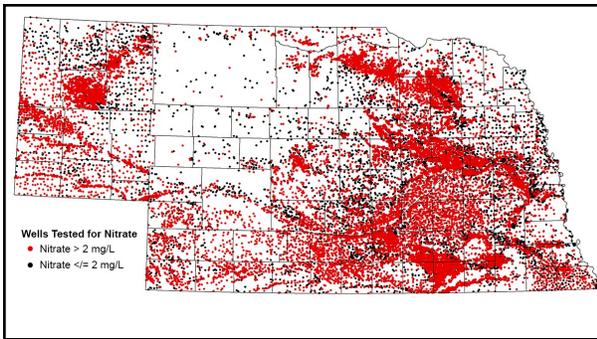


Blue Baby Syndrome:
The Nitrate Danger in Drinking Water

37



38



39

What did we give baby to go from blue to pink?

40

Methylene Blue

41

16 weeks pregnant
First prenatal visit
Limited past medical history

42

"I have had these bumps since I went through puberty, but since I got pregnant, they are increasing"



43



44



You are an astute clinician

So, you check her armpits

She has axillary freckles!

45

Baby born has multiple macules (flat) color of coffee with milk



46

Neurofibromatosis
Von Recklinghausen Syndrome



47

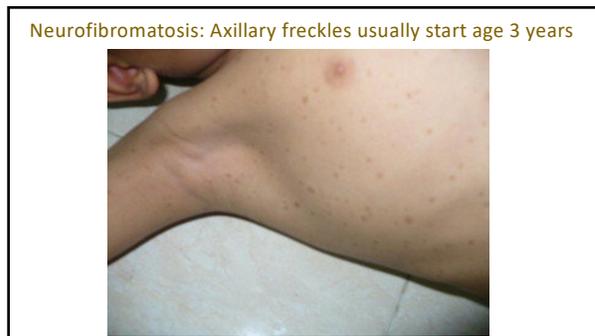
Café Au Lait Macules = CALMs
Neurofibromatosis
> 6 CALMs



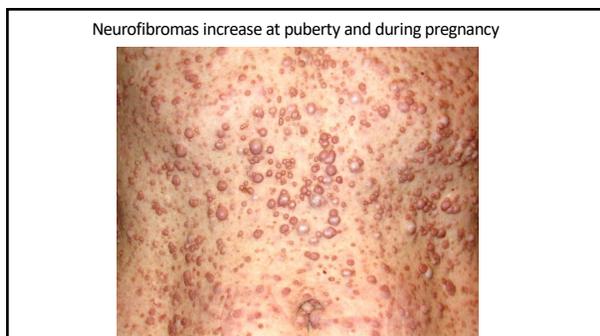
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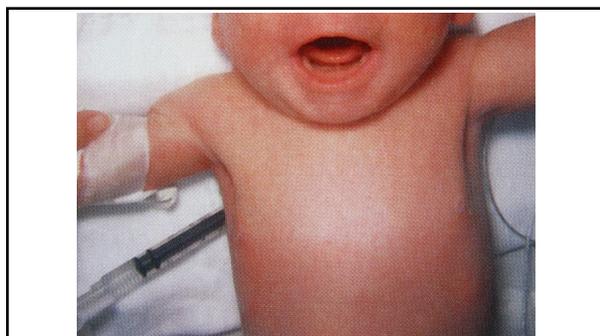
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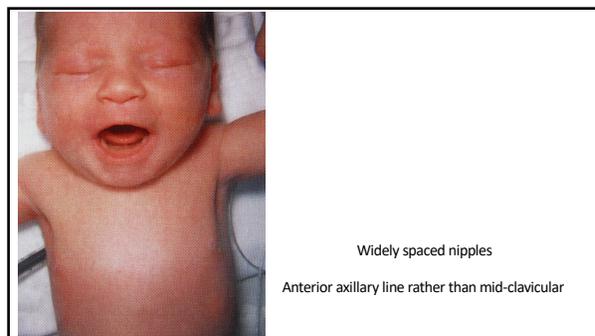
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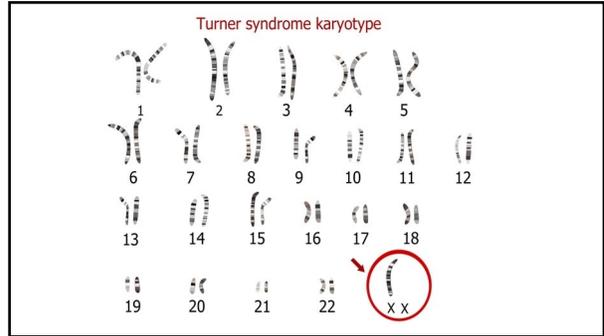
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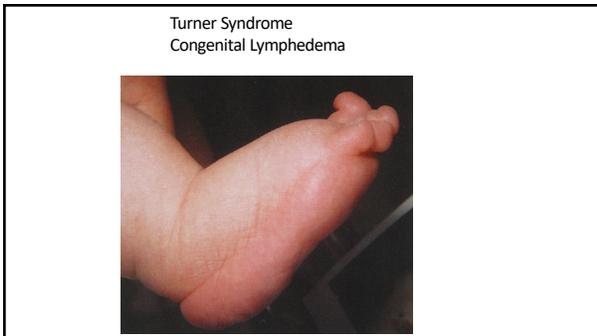
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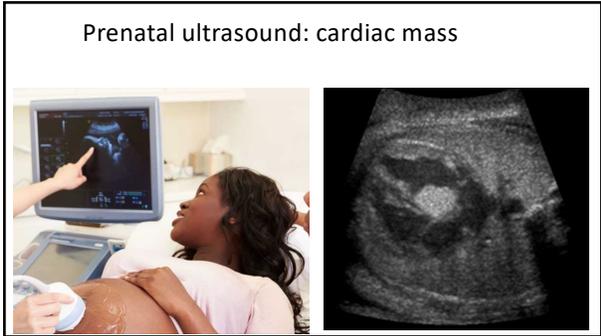
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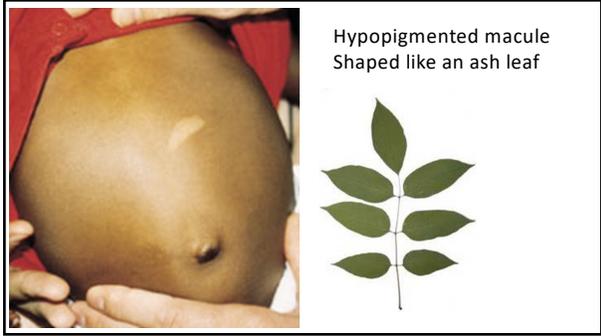
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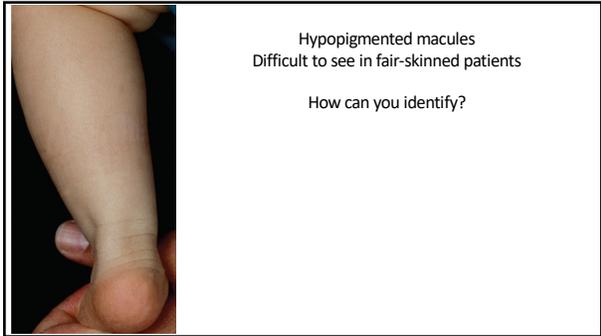
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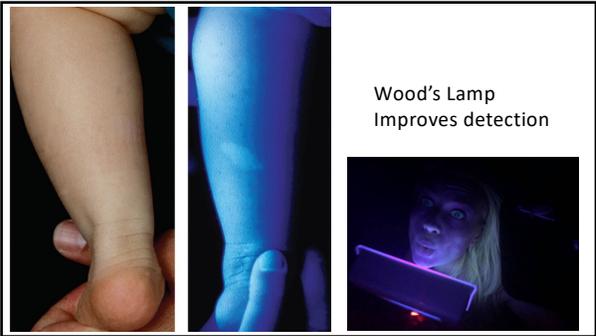
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66

Bumps on father's face = angiofibromas
Autosomal dominant = 50% of his offspring will inherit it



67

What about the fetal cardiac mass?



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Cardiac rhabdomyoma

- Most asymptomatic
- Rarely cause obstruction or arrhythmia
- Most regress spontaneously



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Port wine stain
Nevus flammeus

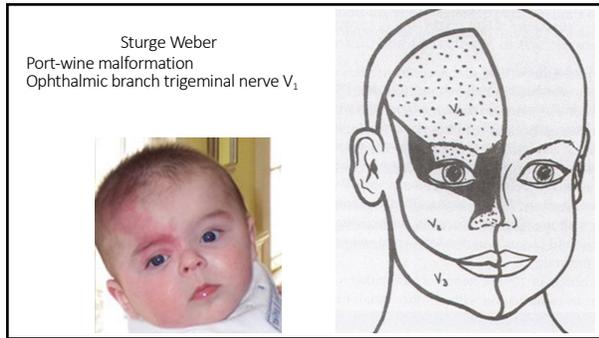


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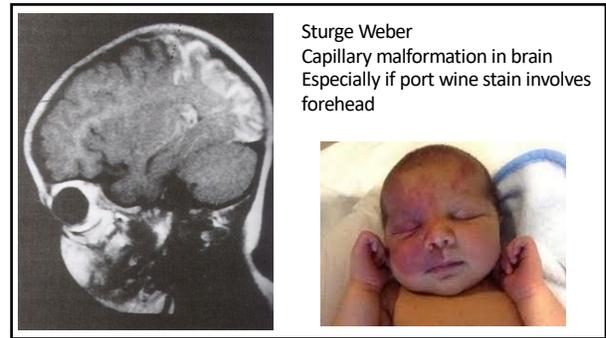
Sturge Weber



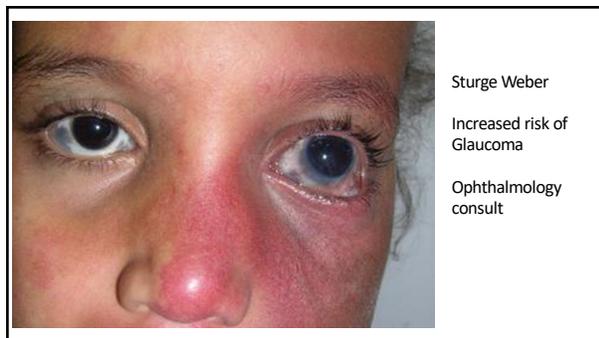
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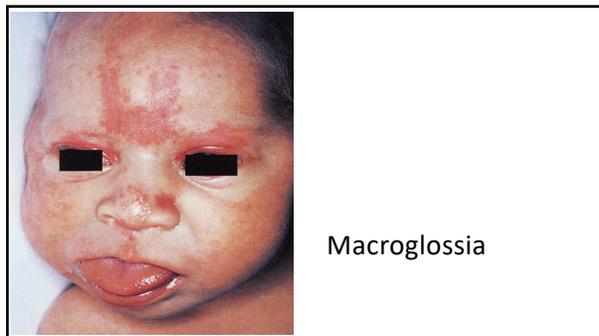
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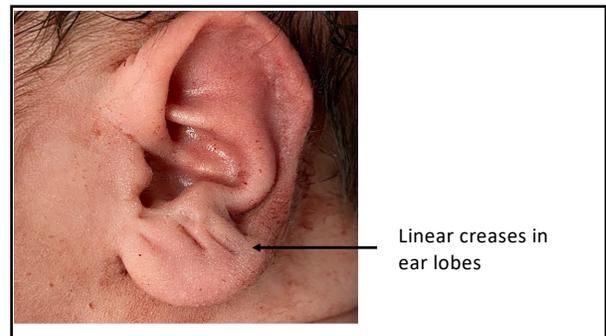
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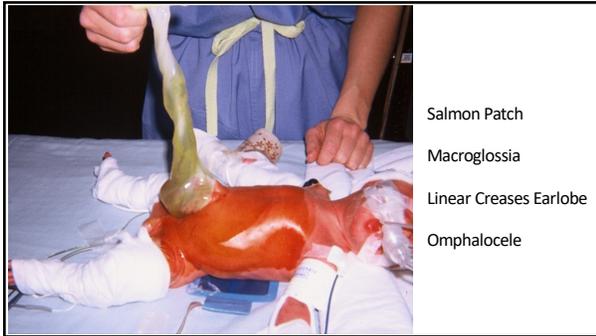
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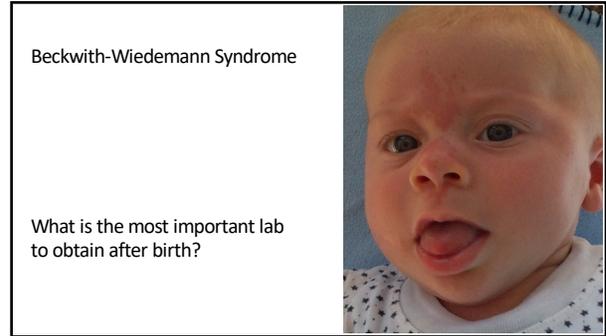
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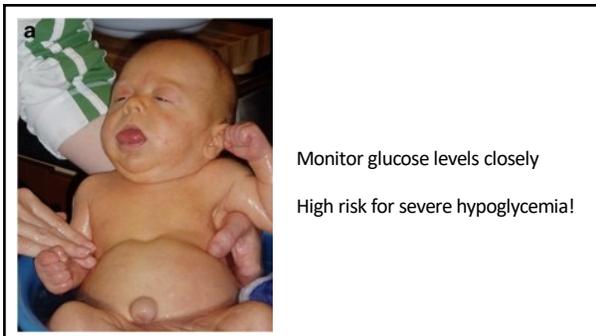
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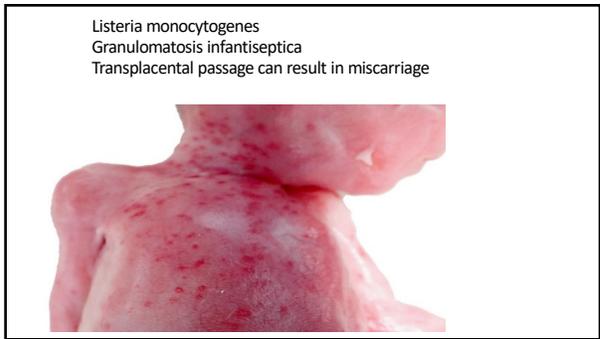
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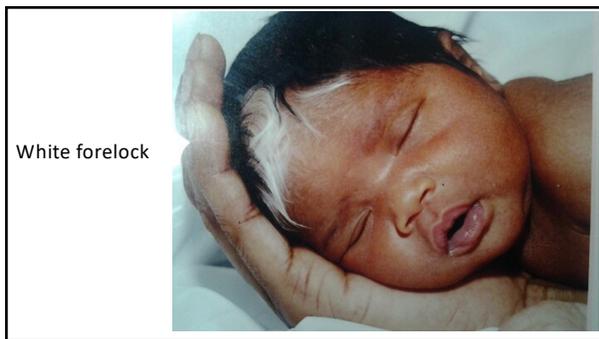
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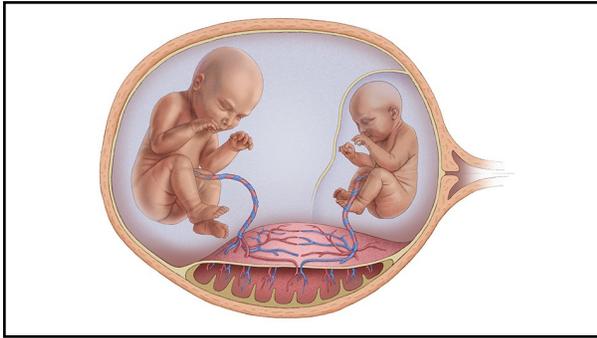
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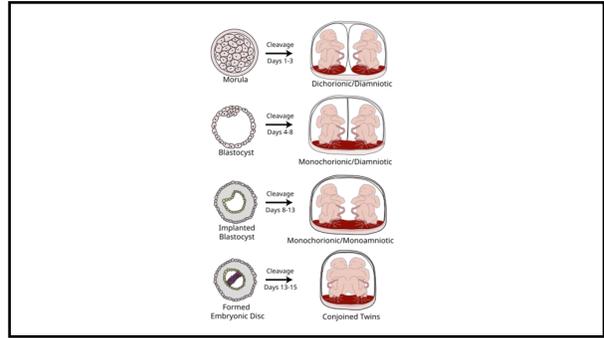
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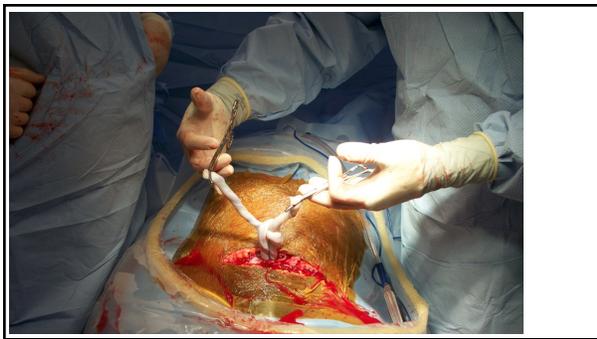
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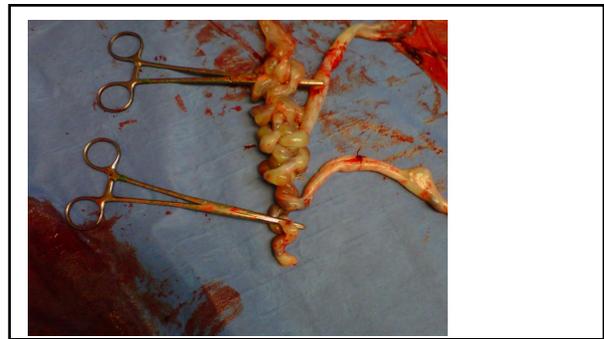
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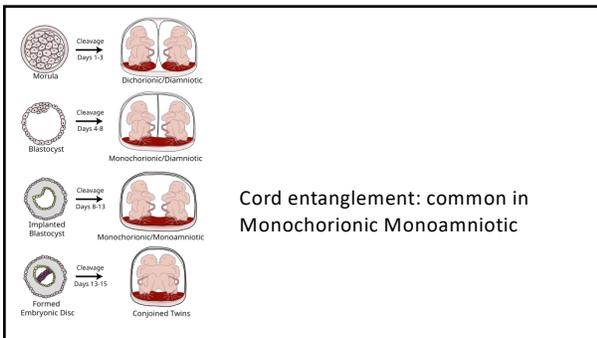
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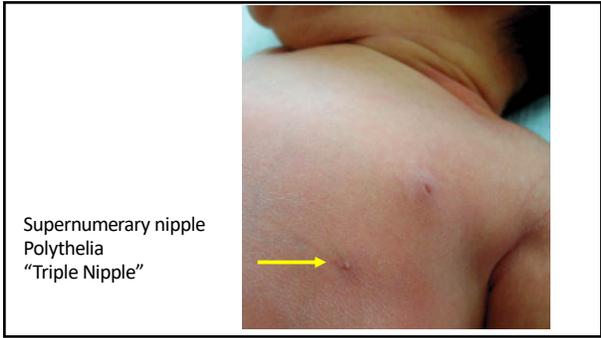
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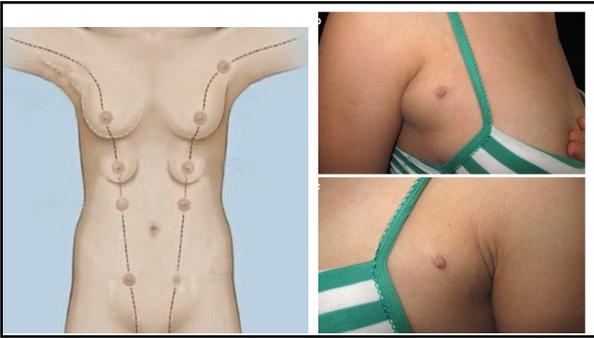
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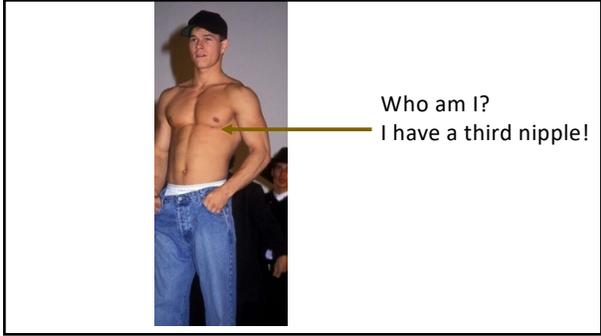
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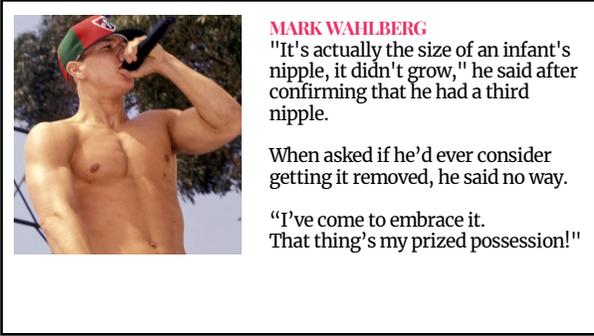
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