



Microcephaly

for Reuse

.... and Zika

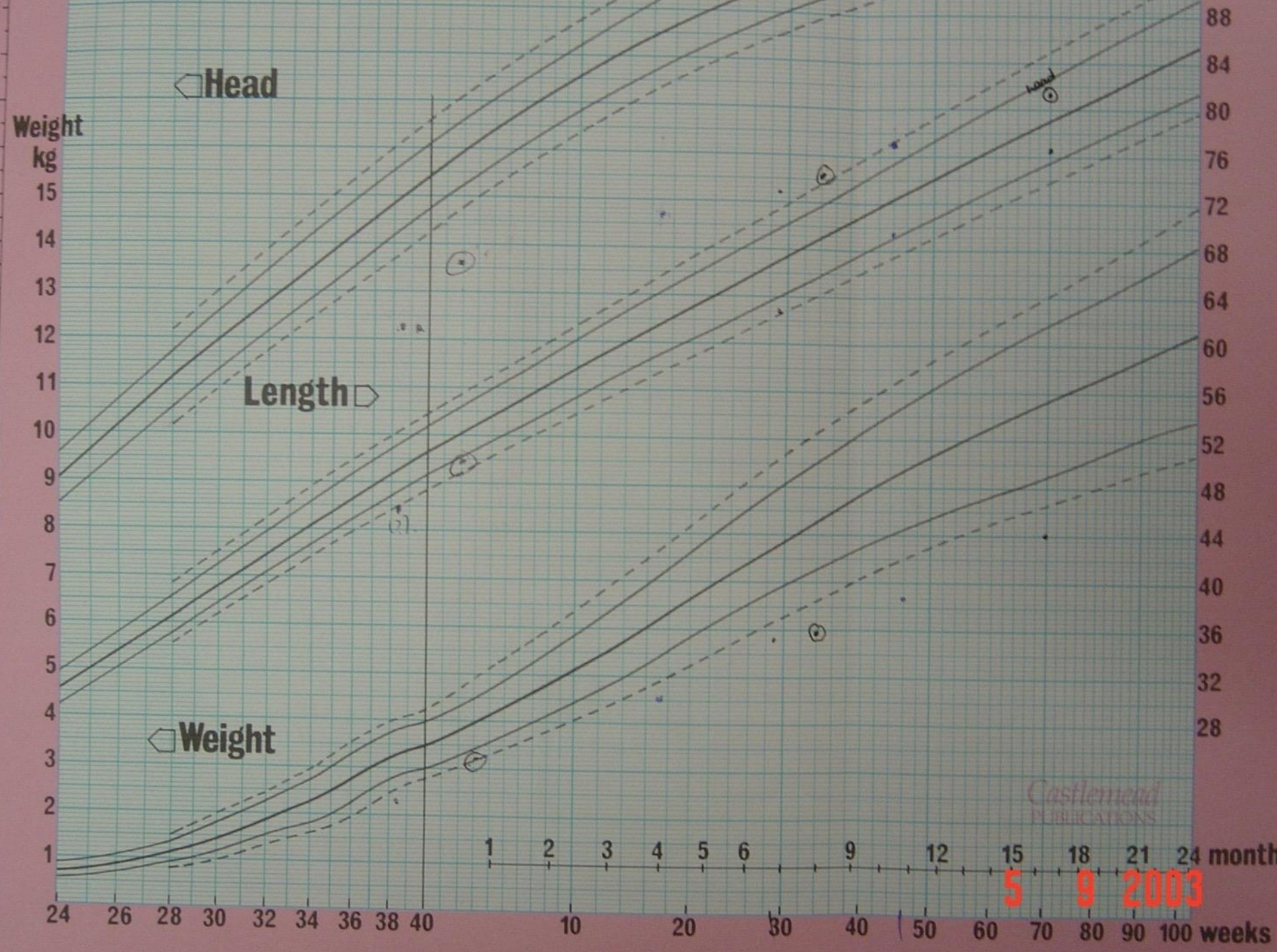
Seek Per



“microcephaly”

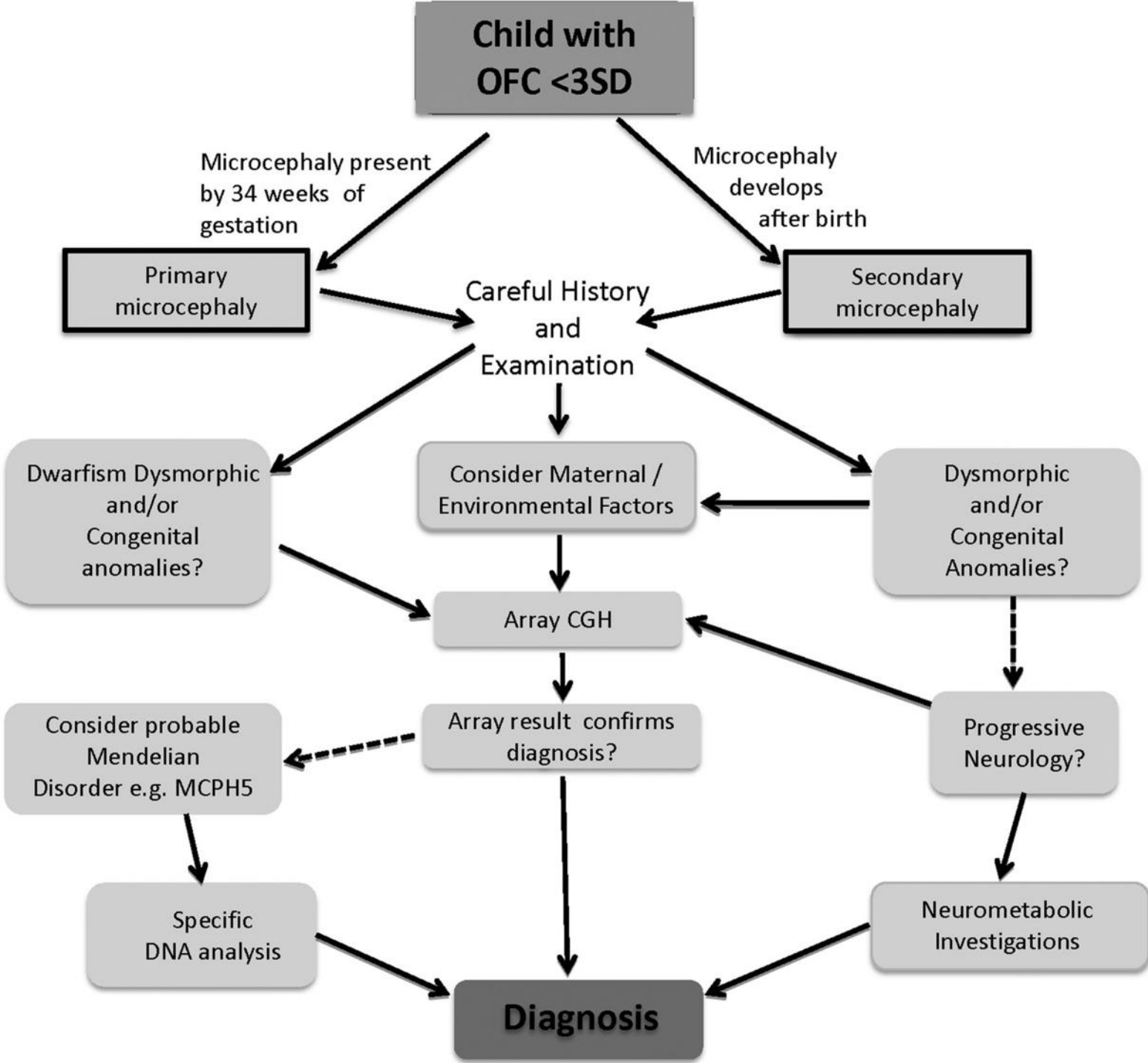


- Description not a disease
- Reduced head circumference
- -3SD
- variation: sex and age..... race?
-charts



Castlemead
PUBLICATIONS

5 9 2003

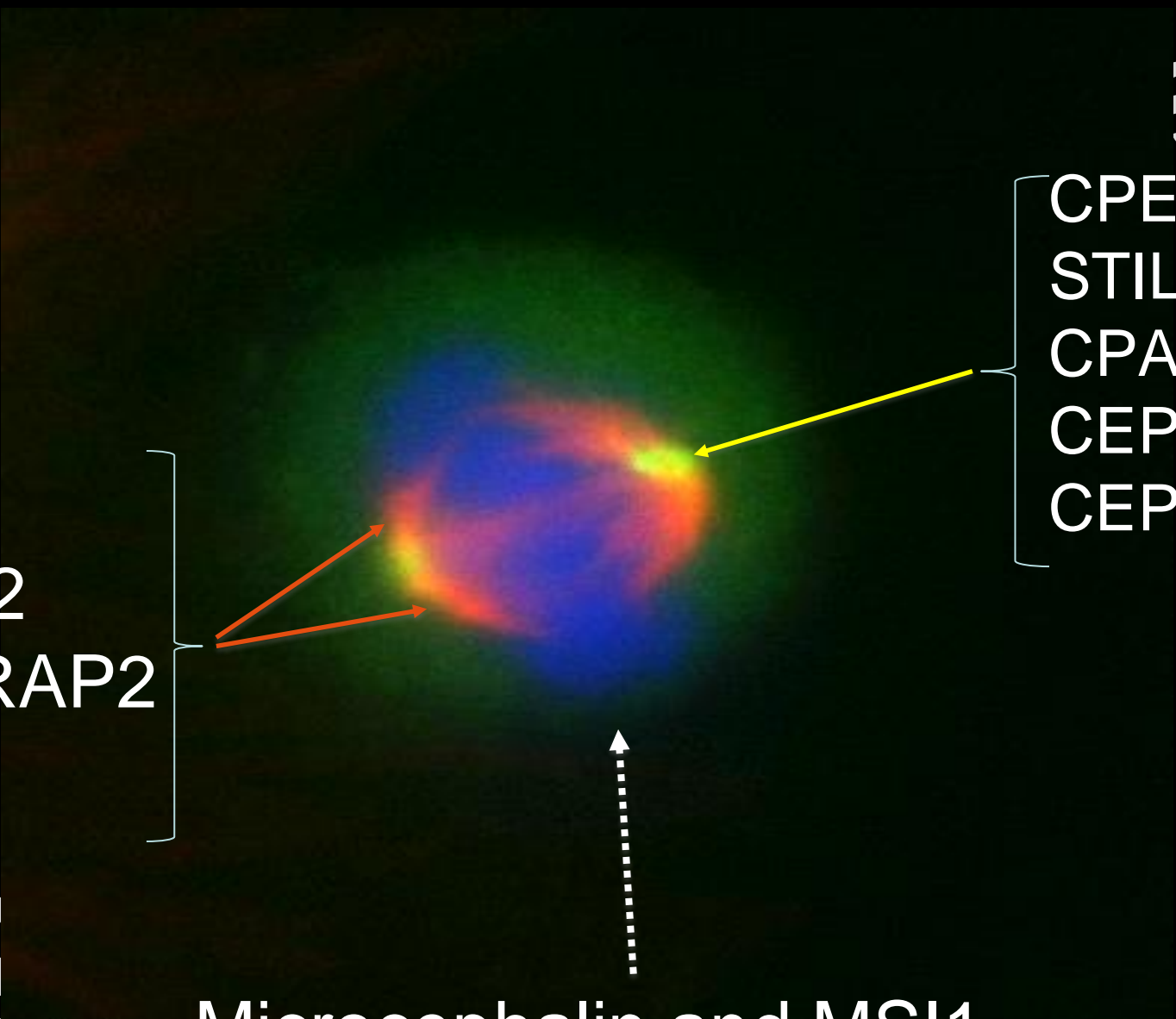




Slid

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se

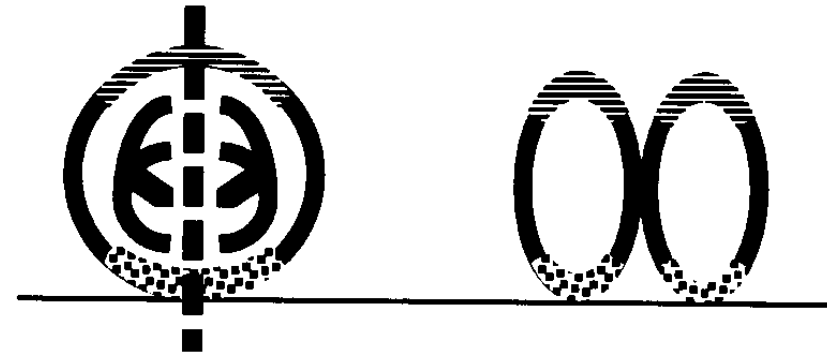
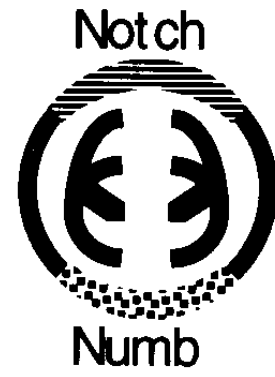
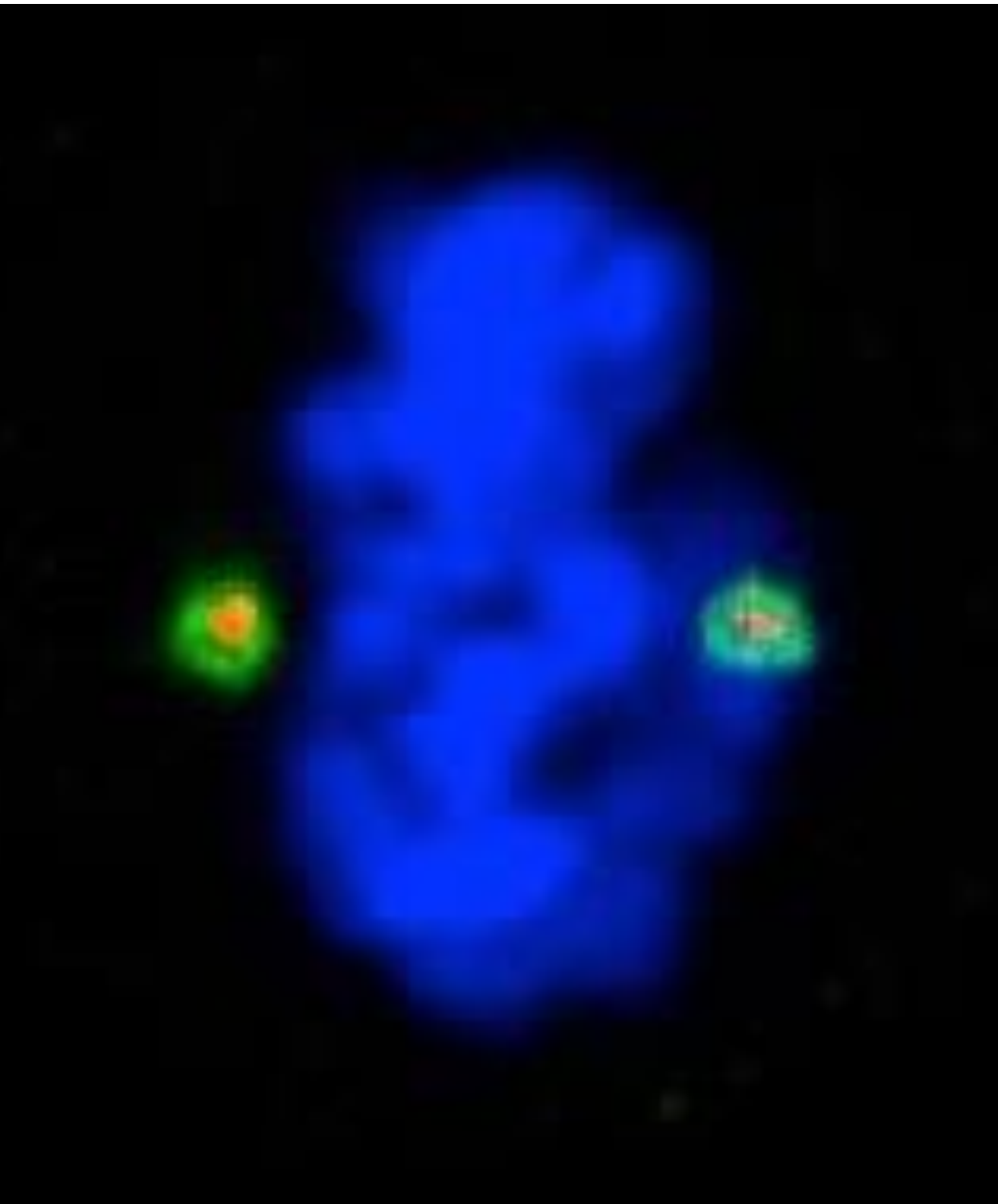


ASPM
WDR62
CDK5RAP2
KIF11

CPE152
STIL
CPAP
CEP63
CEP135

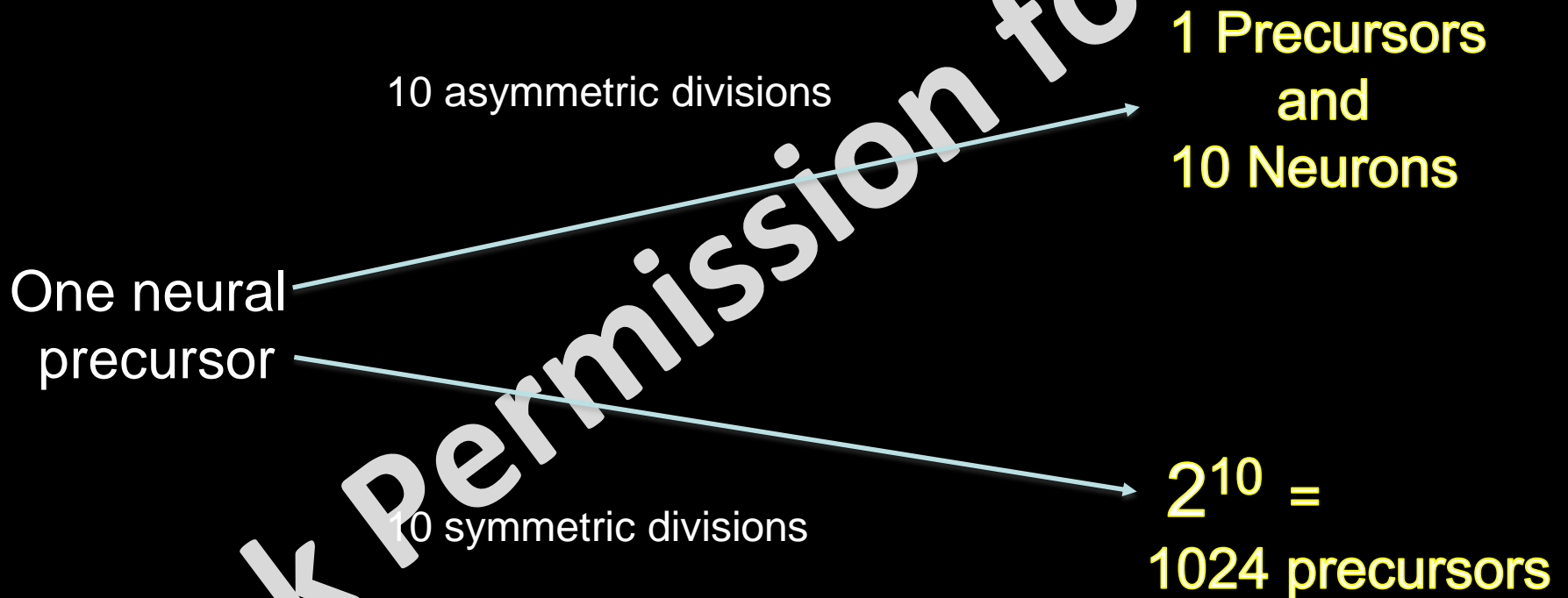
Microcephalin and MSI1

see

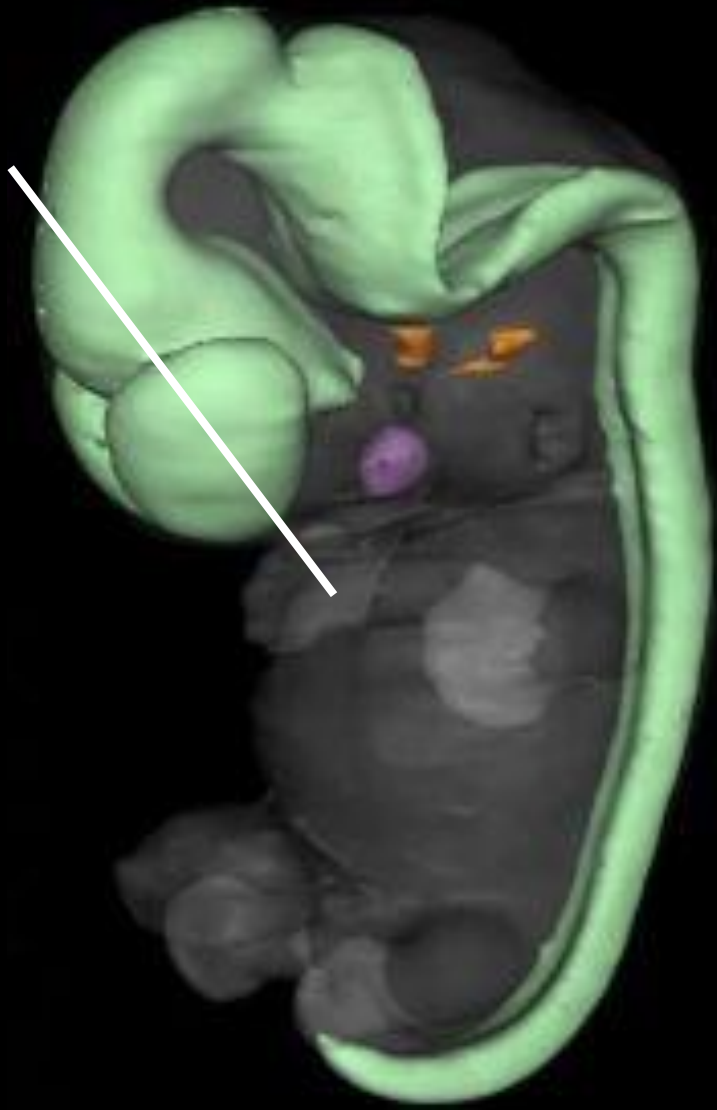


SE

Symmetric versus Asymmetric



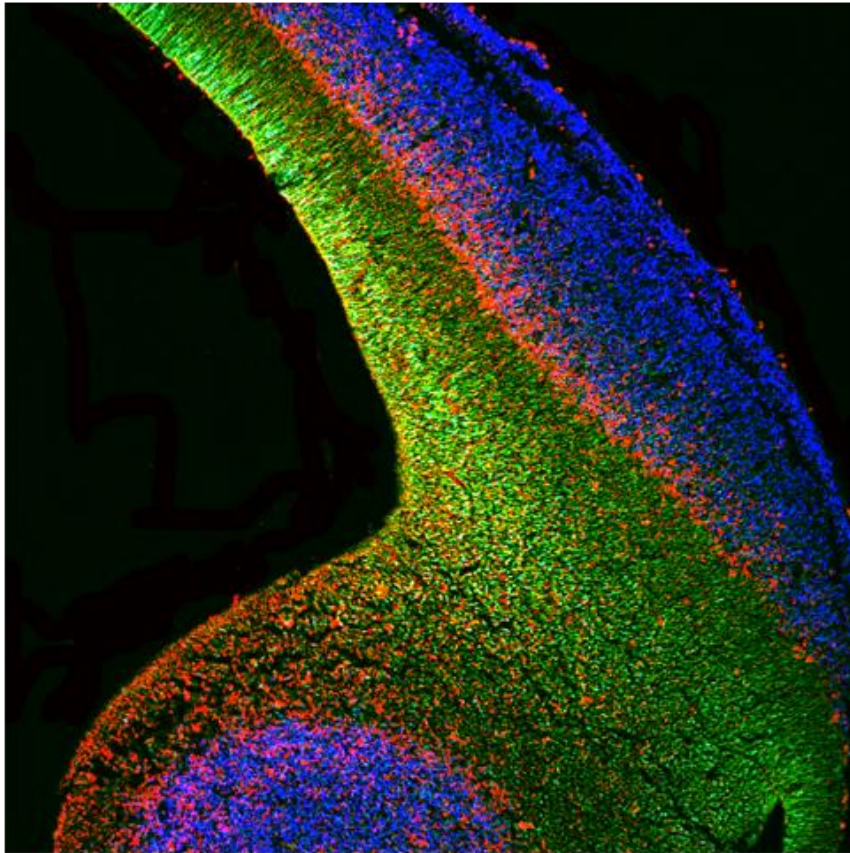
Seek Permission for Reuse



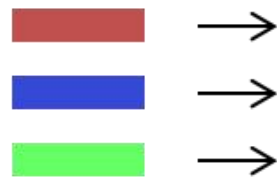
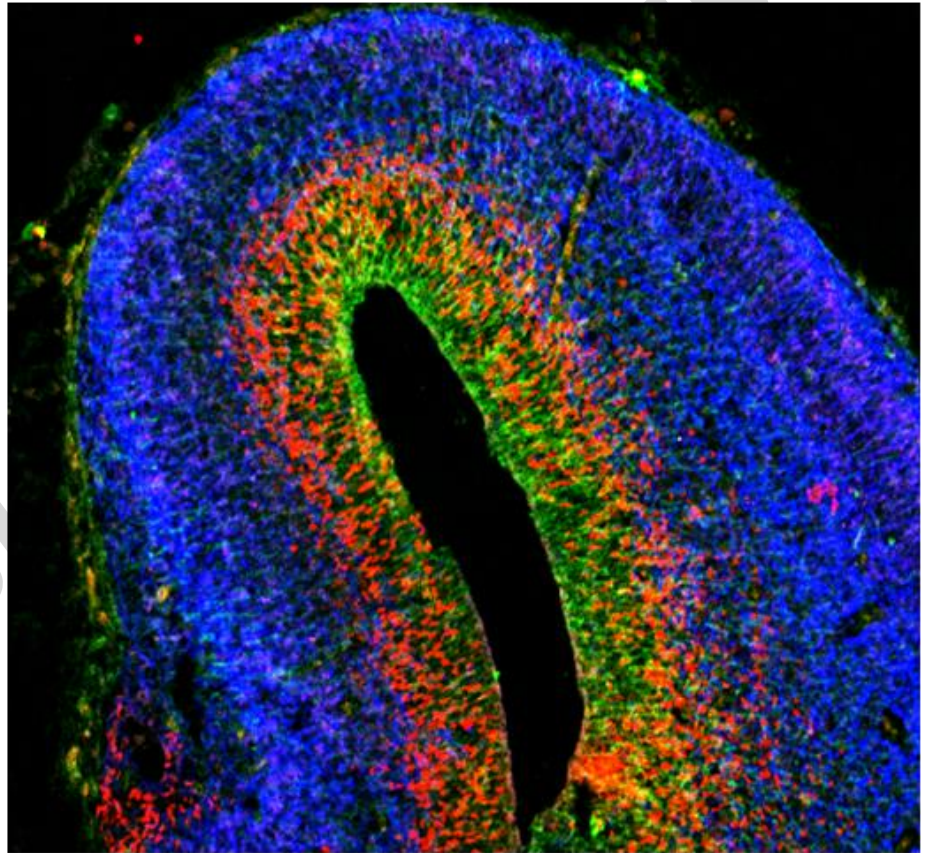
MISSI

5

CS-22 human neuroepithelium

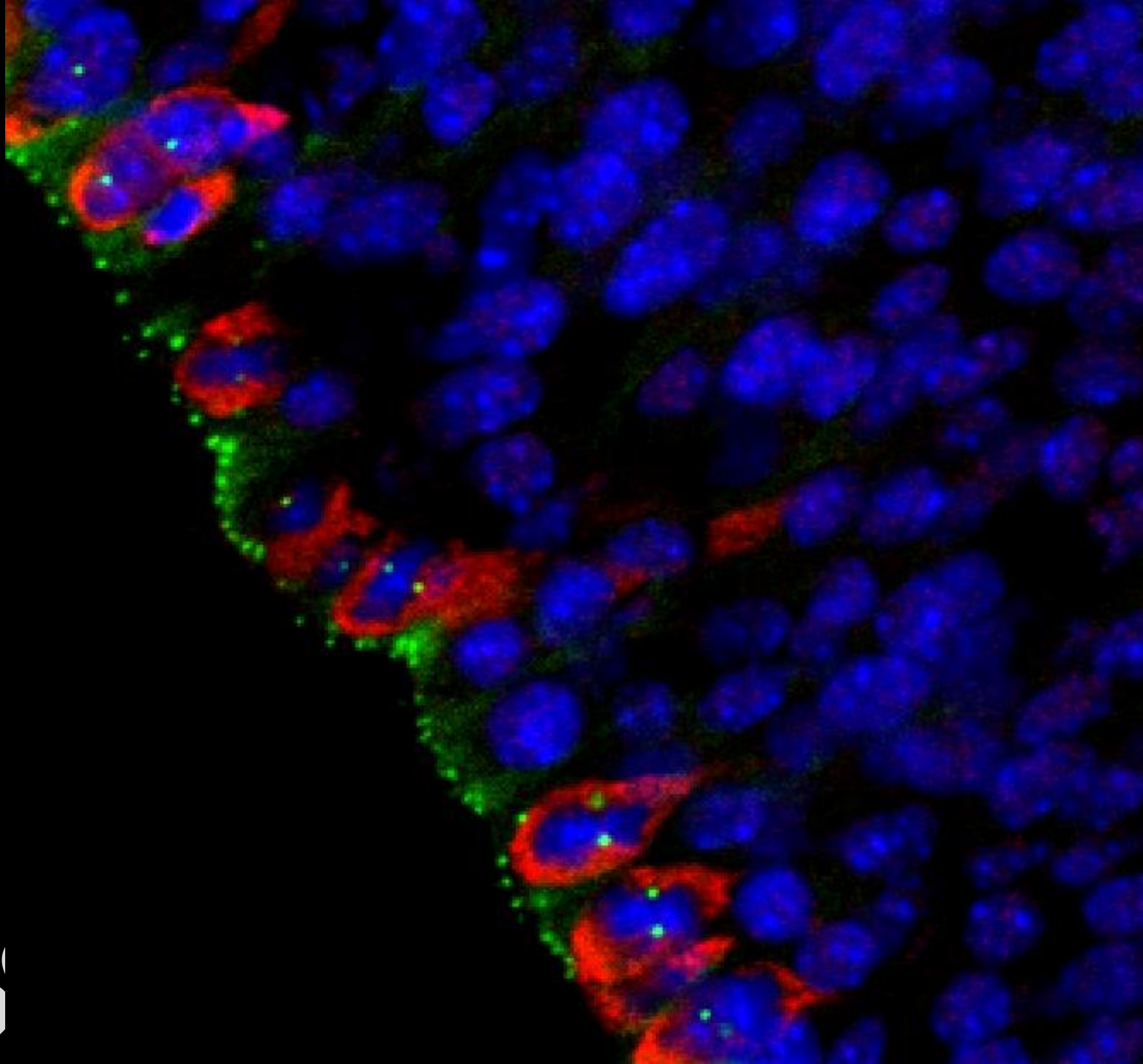


E14 mouse neuroepithelium

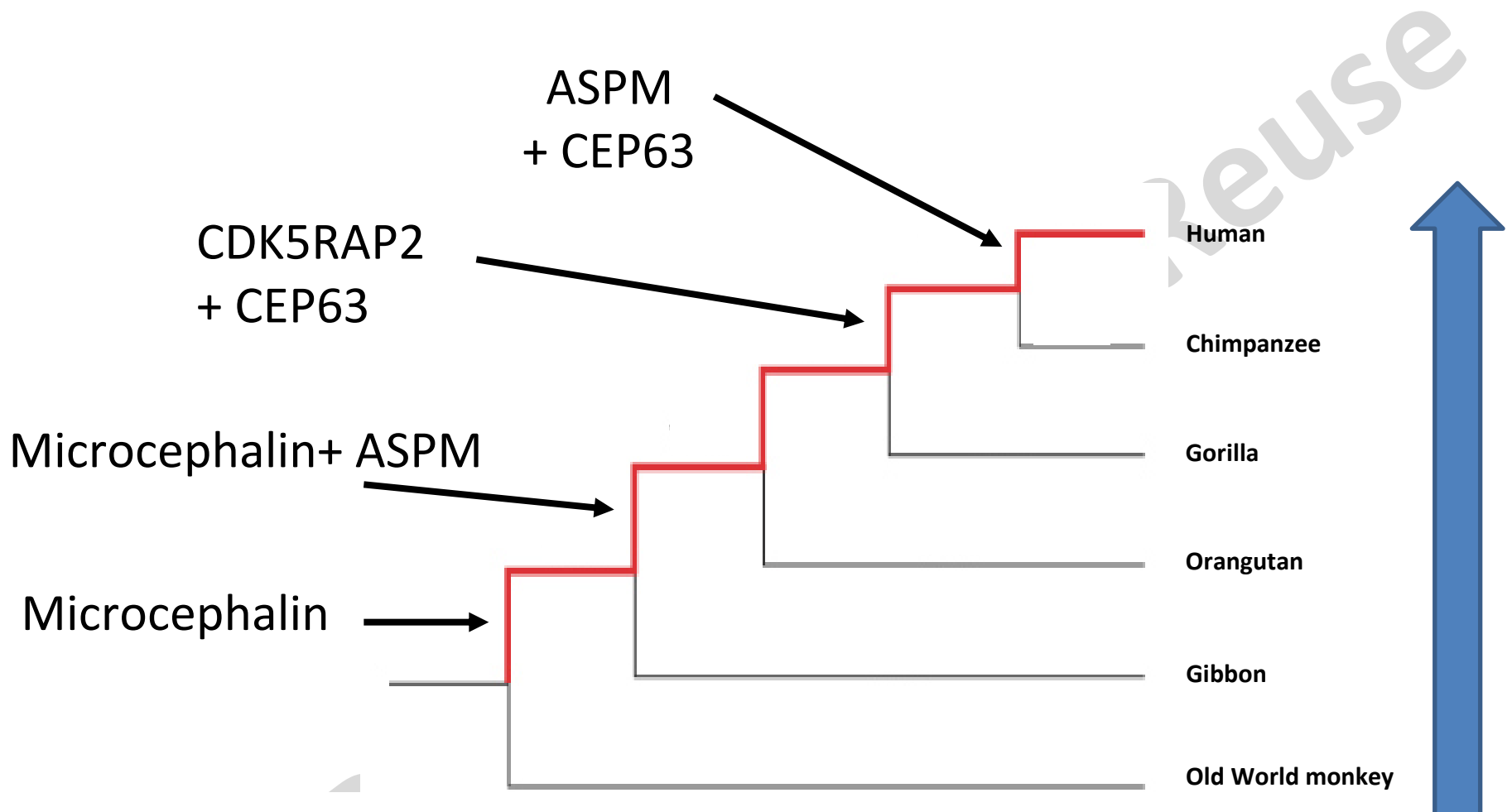


Tbr2
Tub β 3
Nestin

2



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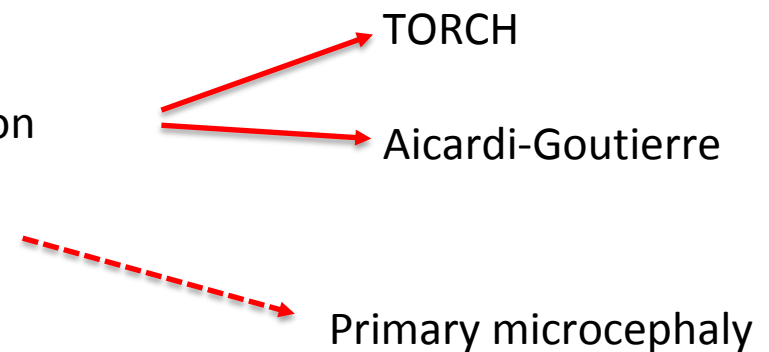


Se

.... and Zika cerebral embryopathy



- Infection in the 1st + 2nd trimester
- crosses placental and blood/brain barrier
- enters neural cells and a Interferon reaction
- Disrupted Neurogenesis in neuroblasts





Microcephaly

Clinical finding

Myriad of aetiologies

1st world = genetic

3rd world = mixed

Zika

TORCH infection

and

Primary Microcephaly