

Gigantism

ba

o mag
close

ymm
etri
cal

HappyReadyRMITNilLord

Acromegaly

After closure

symmetrical

Scarlet Dick
fever test

HappyReadyRMTNiLord

Diphtheria Schick
test

I dream of a house w/

7 ROOMS
and

[7 mg/dL/hr
at
room temp]

2 REFS

[2 mg/dL/hr
at
ref temp]



DocKrizCP  #HappyReadyRMTNiLord

Nanaginip ako... Sabi ng panaginip ko, pwede daw natin gawing mnemonic ung PAMET para sa stages ng Leishmania at Trypanosoma.

PAm - Leishmania

ET - T.brucei

PAMET - T.cruzi

Promastigote and Amastigote

Epimastigote and Trypomastigote

Hahahah. Gege, yun lang.



Sir Axel

YUNG

BAKLANG

RETOKADA

GINAGALA

LAGI

GANDA

Yellow

Blue

Red

Green

Lavender

Gray



Christine Sigrid



DocKrizCP + 2 people



Farhan J. Calbi



Nelly Pingoy



Dhilyn



Dhilyn



Jessamarie T. Sepe

HappyReadyRMTNUOrd

POSITIVE na

ma Batto

Si Pepe!

Happy Ready RMT Nil Lord

T d T

(parang emoji na
umiiyak T_T
sa kaka-sana ALL)
XD

TdT ⇒ Acute Lymphoblastic Leukemia



DocKriz  #HappyReadyRMTMDniLord

Ohh (O), Eto (A2), Baby (B), Eto
Ba? (A2B)... Ewan (A1), Ewan Baby
(A1B)...



HappyReadyRMTNiLord

Proteus

Mirabilis

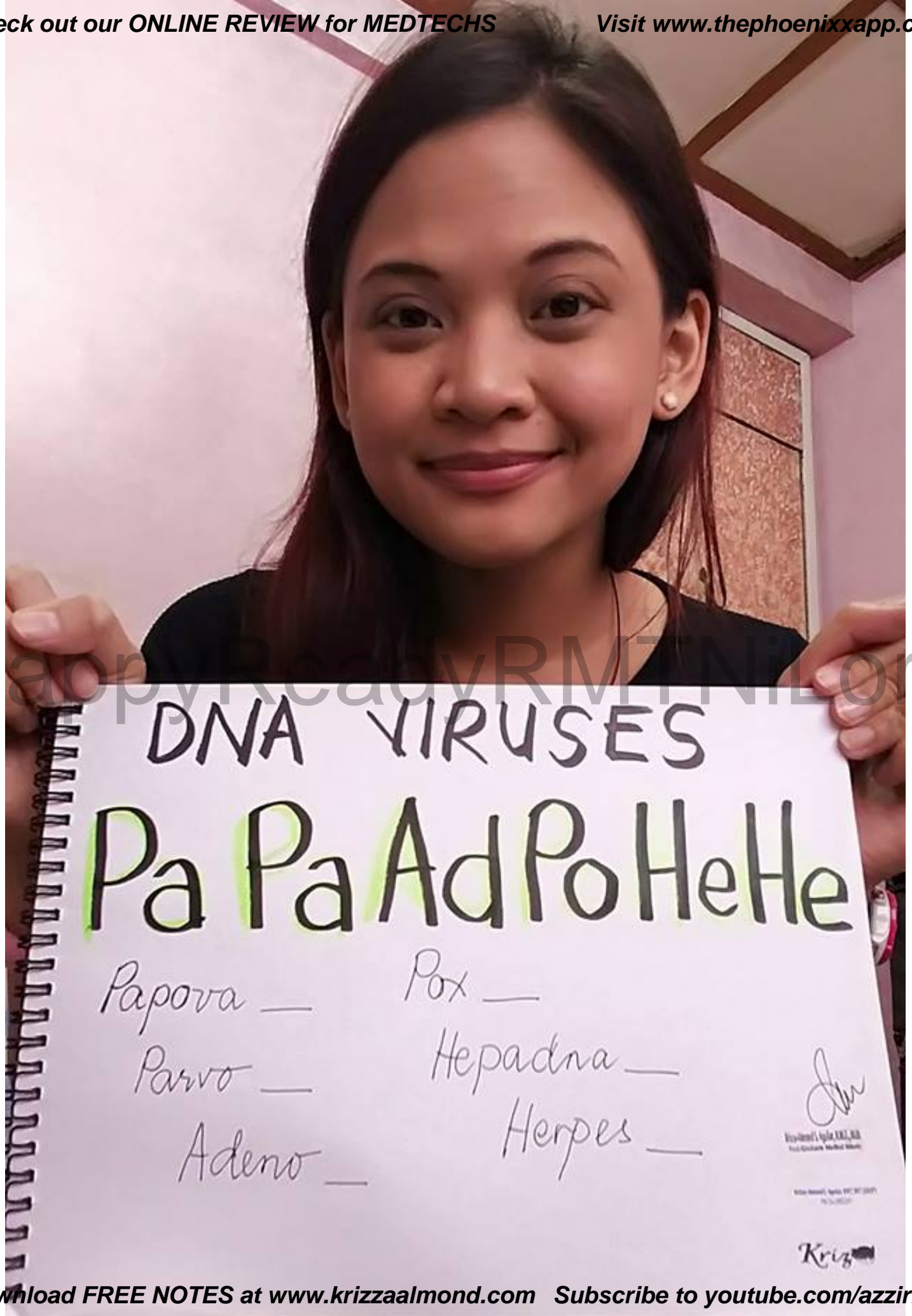
Happy Ready RMT Ni Lord

WEIL
FELIX

OX-K

$$\text{Sens} = \frac{TP}{TP + FN} \times 100$$

$$\text{Spec} = \frac{TN}{TN + FP} \times 100$$



DNA VIRUSES
Pa Pa Ad Po He He

Papova ___ Pox ___
Parvo ___ Hepadna ___
Adeno ___ Herpes ___

Jm
Krizza Almond, April 17, 2019
Krizza Almond
Krizza Almond



Happy Ready RMT Ni Lord

Radial Immune Diffusion

FAhey/**K**inetic

Mancini/**E**ndpoint

taken before point of equivalence is reached

allowed to diffuse to completion

diameter is proportional to LOG of concentration

proportional to SQUARE of diameter

#Lande #ssshhh

[Signature]
Vino Apia, L.M.S., M.B.
Post-Graduate Medical Student



001 ABO
002 MNS
003 P
004 Rh
005 Lutheran
006 Kell
007 Lewis
008 Duffy
009 Kidd
010 Diego

Ang
Mens
Po (ni)
Rhea
Lumabas
Kaya
Lang
Di
Kita (ni)
Diego


ctto



ENZYME TREATMENT

DESTROYED

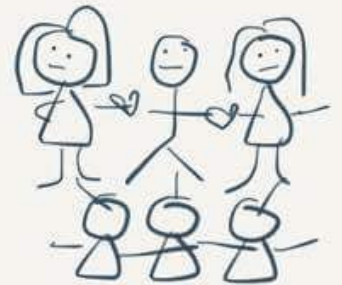
DAMN, X ko may
Chicks na... si Rodger!

Duffy
MNS 
Xg
Chicks/Rodgers

ENHANCED

Sina PIA at Rhea
may kidds na...
si Lewis ang ama?

P₁ Rh
I Kidd
ABO Lewis



GRAM STAIN REACTIONS

all COCCI are **GRAM POSITIVE**



except

- N**eisseria
- B**ranhamella
- M**oraxella
- V**eillonella

- N**o
- B**oyfriend
- M**una (para)
- V**irgin



all BACILLI are **GRAM NEGATIVE**



except

BL₂AC₂MEN

- B**acillus
- L**actobacillus
- L**isteria

- A**ctinomyces
- C**lostridium
- C**arynebacterium
- M**ycobacterium
- E**rysipelothrix
- N**ocardia



Streptococcus agalactiae
or Group B beta hemolytic strep

Masyado pang ma-AGA
para mang-HIPPU! ✓

Kailangan ma-AGA
gumising pag may CAMPing! ✓

causes of MENINGITIS by AGE-GROUP

neonates
(0 to 1 month)

S. agalactiae

pinaka ma-AGA ng
stage ng buhay

children
(1 month to 5 years)

H. influenzae

mabilis magim FLUENZAhan

adolescent
(5 years to 29 years)

N. meningitidis

dito tayo
nagtiging MEN

Geriatrics

S. pneumoniae

tumandang may
NYUMONYA

immuno
Compromised

L. monocytogenes

ahhhh... pag madami ka
sakit, baka magkaroon ka
ng HYSTERIA → listeria?
K-BYE!

NOVOBIOCIN

(NOOB)



Staphylococcus sa PROphyticus

RESISTANT

kasi 'pag PRO ka na,
hindi ka na NOOB
(NOV.....:P)

Staphylococcus EPIDERMidis

SENSITIVE

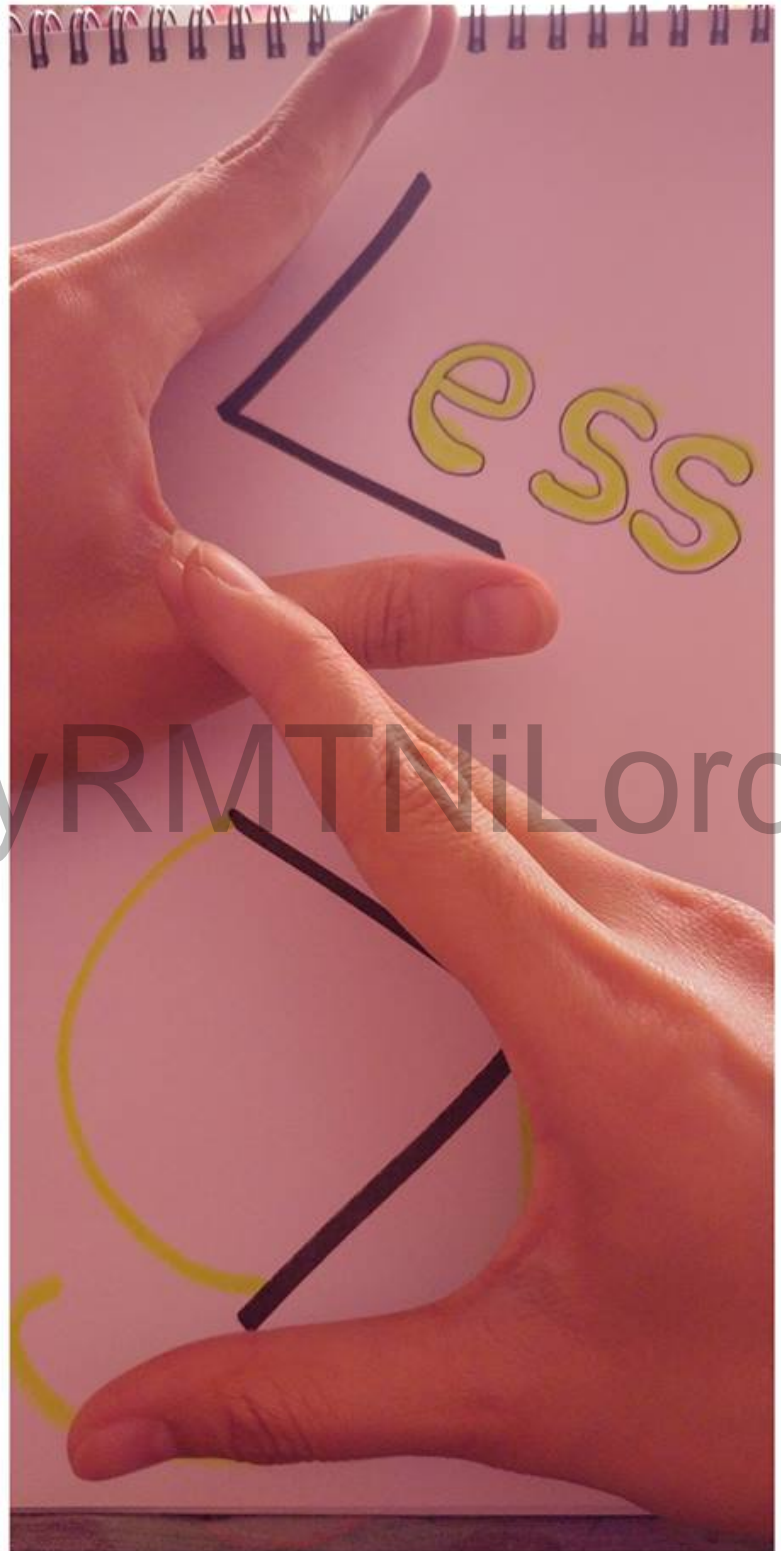
kasi EPIDERMis is a layer
of the skin and skin, este, my
skin is sensitive #artistahin

Ferdinand Marcos
falciiparum MAURER

Manila Zoo
malariae ZIEMANN

Vilma Santos
vivax SCHUEFFNER

Orange Juice
ovale JAMES



HappyReadyRMTNiLord

OXIDASE POSITIVE

Pseu-mahan Ng Malamig

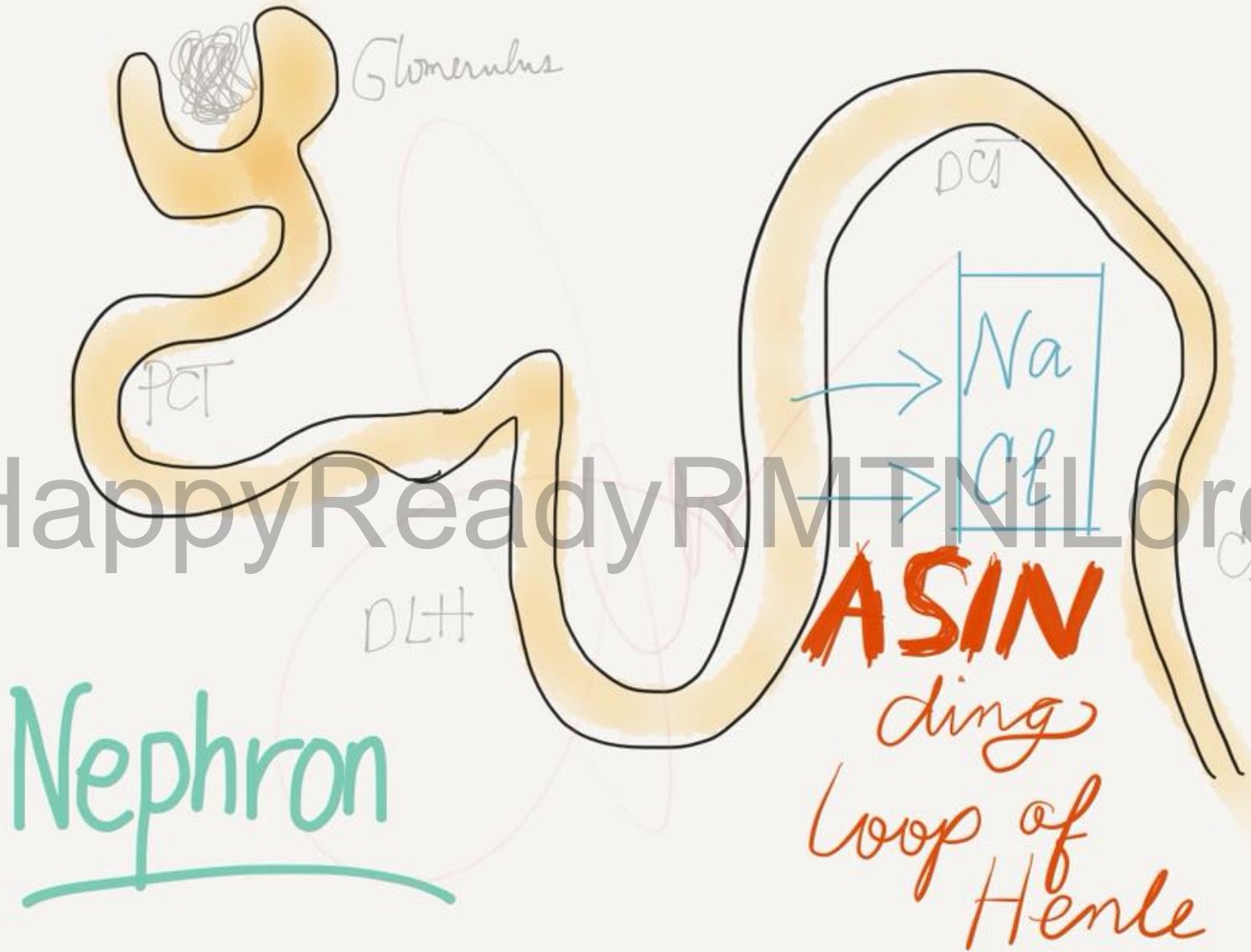
Ang PasCo

X X
▽



Pseudomonas
Neisseria
Moraxella

Aeromonas
Pasteurella
Campylobacter



Weg ka nga!
ANCA ba?

Wegener's granulomatosis — ANCA

kasarmtmd ♡

TUMOR MARKERS

CA 125 → Ovarian

CA 153 → Breast

CA 19-9 → Pancreatic

CA 72-4 → Gastric

CEA → Colon

AFP → Liver

PSA & ACP → Prostate

β-hCG → Men-β^{etlog???} TESTICULAR
H - ydatidiform mole
C - choriocarcinoma
G - gestational trophoblastic tumor

Calcitonin → Medullary THYROID Ca

Her2/neu → Breast
Her 2 breasts look neu!

NMP22 → urinary bladder
NOT MY PANTS!

Factor

Krizza

NameI

~

FibrinOgEN (spell O-N-E)II

~

ProTWOmbin

Krizza

(Prothrombin)

III

~

THREEssue factor

Krizza

(Tissue factor)

Krizza

IV

~

CalcIVm

Krizza

(calcium)



B Cell vs **T** cell
LIFE SPAN

Bilising buhay
one marrow
HMI

Tagal ng buhay
lymrus
CMI
Kasarmtmd

RA 9288 NEWBORN SCREENING ACT

1 2 3 4 5 6 7 8 9

screens

M G C C Gala din naman,

P K U (a) (sila)

Kosalmund

- Maple Syrup Urine Disease (MSUD)
- G6PD deficiency
- Congenital Hypothyroidism
- Congenital Adrenal Hyperplasia (CAH)
- Galactosemia
- Phenylketonuria (PKU)

	<u>TMA</u>	<u>MTM</u>	<u>MLA</u>	<u>NYC</u>
inhibits				
G \oplus	Vancomycin	V	V	V
G \ominus	Colistin	C	C	C
fungi	Nystatin	N	ANISOMYCIN	Amphotericin B
Proteus swarming		Trimethoprim Lactate	TL	TL

Kasamind

NOVOBIOCIN

(NOOB)



Staphylococcus sa PROphyticus

RESISTANT

kasi 'pag PRO ka na,
hindi ka na NOOB
(NOV.....:P)

Staphylococcus EPIDERMidis

SENSITIVE

kasi EPIDERMis is a layer
of the skin and skin, este, my
skin is sensitive #artistahin

Uyy! DNA green
yng MOSS...



DNAse test

Kasam
no



MOSS

Moraxella

Serratia

Staphylococcus aureus

- ⊕ becomes colorless
- ⊖ remains green

HappyReadyRMTNjLord

Sina CHARlene at a GA,
nag CRUZ ang landas sa
AMERICA, kaya
nag KISS sila ♡♡♡

HERPESviridae

HHV 1	Herpes Simplex 1	Simple
HHV 2	Herpes Simplex 2	Simple
HHV 3	Varicella Zoster	lang niyan
HHV 4	Epstein Barr	Very
HHV 5	Cytomegalovirus	Easy ^{tss!} like
HHV 6	Roseola	Chicken
HHV 7	infantum	Roasted ^{na}
HHV 8	Kaposi sarcoma	In Kenny's



causes of MENINGITIS by AGE-GROUP

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stage ng buhay

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N. meningitidis

dito tayo
nagiging **MEN**

Geriatrics

S. pneumoniae

tumandang may
NYUMONYA

immuno
Compromised

L. monocytogenes

Ohmmm... pag madami ka
sakit, baka magkaroon ka
ng hysteria → listeria?
K.BYE!



Sa may Fishball-an

ELISA: Fren? Bi Le Tyro? (Bili tayo?)

RIA: Liver ba? (Libre ba)

Urine Crystals Found on Px w/ Liver Disease

- Bilirubin Crystal
- Leucine Crystal
- Tyrosine Crystal

@renzsauga

ANG 2x NEGATIVE na BAKE MAC 😂
MAC (-) but Gram(-)bacilli

MORA daw PASTa ni FRANCIS at
BRUCE isang LE BO lang naman HA
HA(sarcasm)

Moraxella

Pasteurella

Francisella

Brucella

Legionella

Bordetella

HACEK

Haemophilus

Lecture po from Mam Aldave 😊



LEVINE



- inserted through
the NOSE



HappyReadyRMTNiLord

Prekallikrein

Kriz



PREtcher

[Fletcher factor]

Kriz

Kriz

High Molecular Weight Kininogen
(HMWK)



Kriz

Hi Five

Fitzgerald factor

Kriz



Android (18) = Female
↓
C 18
↳ Estrogens



Android (19) = Male
↓
C 19
↳ Androgens



Android (21) = (?)
↳ C21 → Progesterone & Corticosteroids

OsteoBlast vs. osteoClast

BONE-FORMING

BONE-DESTROYING

B ~> bubuo

C ~> ccra



water bug or comet shaped

confused w/
PLASMA CELLS



very large
multinucleated
w/ ruffled border

confused w/
MEGAKARYOOTES

BI kong Beef RBCs
 absorb IM abs

GF GPK cells
 absorb Forsman abs

panagsabay
 Kami kaya MA sakit ←

Both absorb SERUM SICKNESS

Patterns of Absorption



Tweet



Wendell Jeffrey G. Bayron

@wendellwald



ENCAPSULATED ORGANISMS

• PNKSH C/S •

*Babies are pinkish after C/S

- Pseudomonas aeruginosa
- Neisseria meningitides
- Kleb. pneumoniae
- Strep. pneumoniae
- Haemophilus influenzae Type B
- Cryptococcus neoformans
- Salmonella typhi

[#BacteriologyMnemonics](#)

[@medtechstudy](#)

[Translate Tweet](#)

10:35 · 30 Jan 19 from [Zamboanga City, Zamboanga Peninsula](#) · [Twitter for Android](#)

MNEMONIC! XD

Southern Blot – **D**NA sample

Northern Blot – **R**NA sample

Western Blot – **P**roteins (ie gp160 etc)



ALP ISOENZYMES

Electrophoresis (origin → anode)

ORIGIN

I Promise (to) Be Loyal

I_{ntestinal} P_{lacental} B_{one} L_{iver}

Heat Denaturation

MOST HEAT STABLE

P_{romise} I_{kaw} L_{ang} B_{aby}

P_{lacental} I_{ntestinal} L_{iver} B_{one}

ANTERIOR PITUITARY GLAND

FSH follicle stimulating hormone

PRL Prolactin

LH luteinizing hormone



ACTH adrenocorticotropic hormone

GH Growth hormone

TSH thyroid stimulating hormone

60 seconds



P B B is P U N

H

L
O
O
D

L
R
U
B
I
N

R
O
T
A
T
I
O
N

R
O
O
T
S
O
F
T
W
A
R
E

R
O
O
T
S

NOTES:



Electrolytes in URINE

↑ **Ch** a **Na** **K** ↓

Chloride

Na for Sodium

K for Potassium

[Signature]
kasa-rmf.md.

HappyReadyRMTNiLord



P Parang Pronormoblast

B ata Basophilic

P a Polychroma-
trophilic

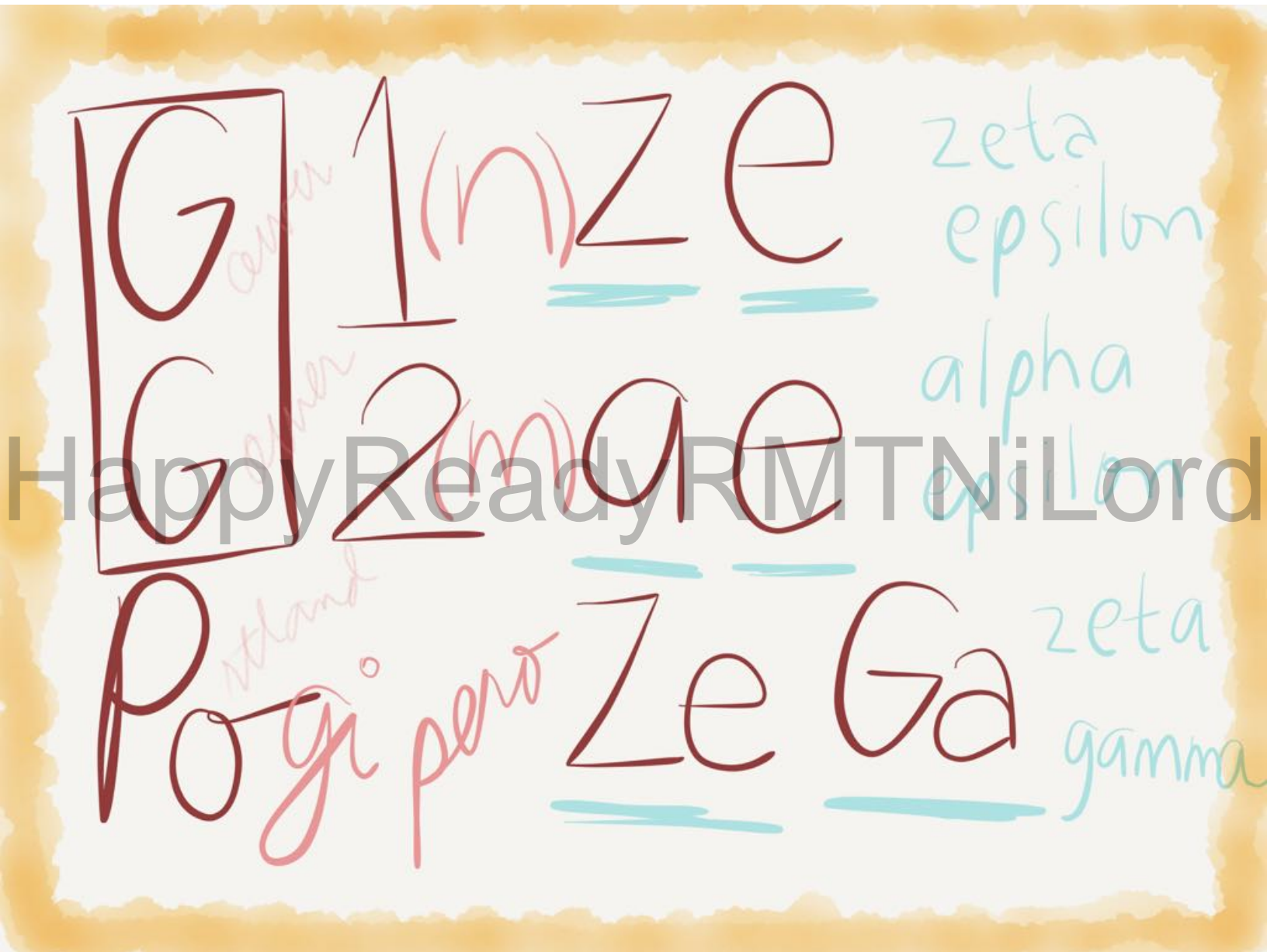
h Orthochromic

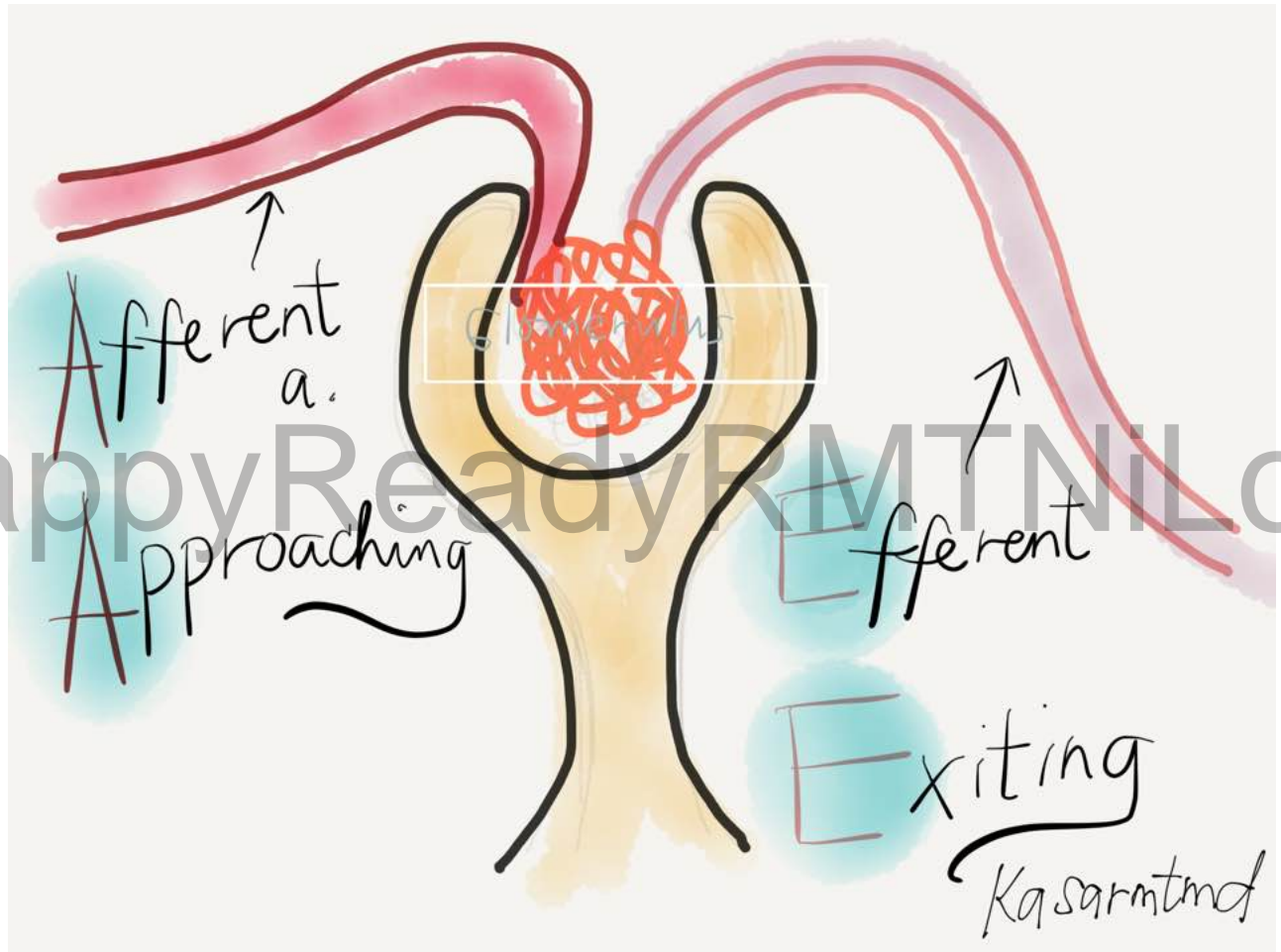
P Ero Polychromatophilic
Erythrocyte

M ature na Mature red cell
↓ (kasarmtmd)



Happy Ready RMT Nil Lord





NUCLEAR FIXATIVES??

Have Fun In Bacolod City
Heidenhain's Susa Flemming's w/ Acetic acid Newcomer's Bouin's Carnoy's

Their common ingredient is glacial acetic acid which enhances nuclear preservation and staining.

CYTOPLASMIC FIXATIVES??

Oh
Orth's

Heavenly
Helly's fluid

Father
Flemming's w/o
Acetic acid

Feel
Formalin

Me
Muller's/
Regaud's

Remember that they **MUST NEVER CONTAIN** glacial acetic acid because it destroys the mitochondria and Golgi apparatus which are cytoplasmic organelles

PRIMARY CRYSTALS IN SYNOVIAL FLUIDS

Monosodium Urate

"n" → negative birefringent "n" → needles

"Y" → yellow crystals "YELLOW" → parallel to the slow axis

Calcium Hydroxyapatite

"p" → positive birefringence "rhombic / rhomboid"

"p" → perpendicular to the slow axis ang Pepsi logo color blue



> 12 mEq/L

↑ Anion gap

MUDPILES:

Methanol (formic acid)

Uremia

Dibabetic ketoacidosis

Propylene glycol

Iron tablets or **I**NH

Lactic acidosis

Ethylene glycol (→ → oxalic acid)

Salicylates (late)



Sa may Fishball-an

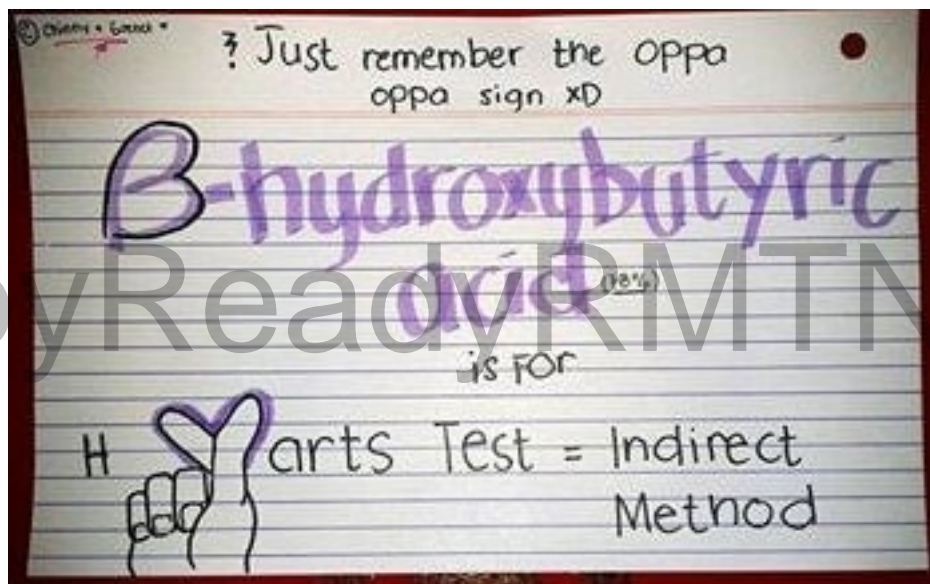
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Urine Crystals Found on Px w/ Liver Disease

- Bilirubin Crystal
- Leucine Crystal
- Tyrosine Crystal

@renzsauga



HappyReadyRMTNiLord

mnemonic device:

Tara punta tayo
sa MOA ARENA viridae

PARA myxoviridae mag BUNYI
(bunyaviridae)
kari nanalo ang

FILipinas sa Miss U.
(filoviridae)

" Nauwi ni Catriona ang

CORONA viridae ...!!!

orthomyxoviridae ← OR RHA bdoviridae yttt!"

8–12 mEq/L

Normal anion gap

HARDASS:

Hyperalimentation

Addison disease

Renal tubular acidosis

Diarrhea

Acetazolamide

Spiroinolactone

Saline infusion



Staphylococcus aureus



Ly Se

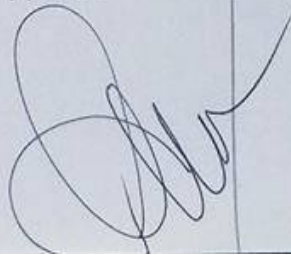
LYSOSTAPHIN SENSITIVE

Ba Re

BACITRACIN RESISTANT

Fu Se

FURAZOLIDONE SENSITIVE



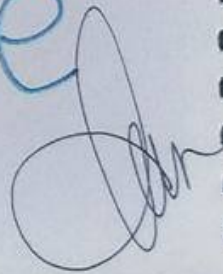
Micrococcus



Ly Re

Ba Se

Fu Re



MICROCYTIC, HYPOCHROMIC ANEMIAS

ACD

THALASSEMIA

IDA

SBA



krizza.almond.rmt.md

Glycogen Storage Diseases

Ia Very

V Met

II Pretty

VI Her

III Christina

VII T me

IV Aguilera

XI Fans



fjfl.rmt

Heme + Globin
Happy Ready RMT Ni Lord
t
chondria
somes

ENZYME TREATMENT

DESTROYED

DAMN, X ko may
Chicks na... si Rodger!

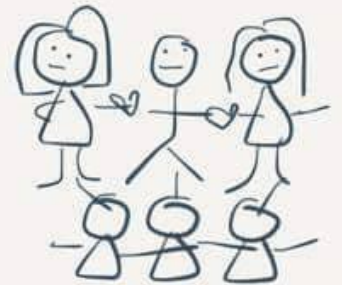
Duffy
MNS
Xg
Chicks/Rodgers

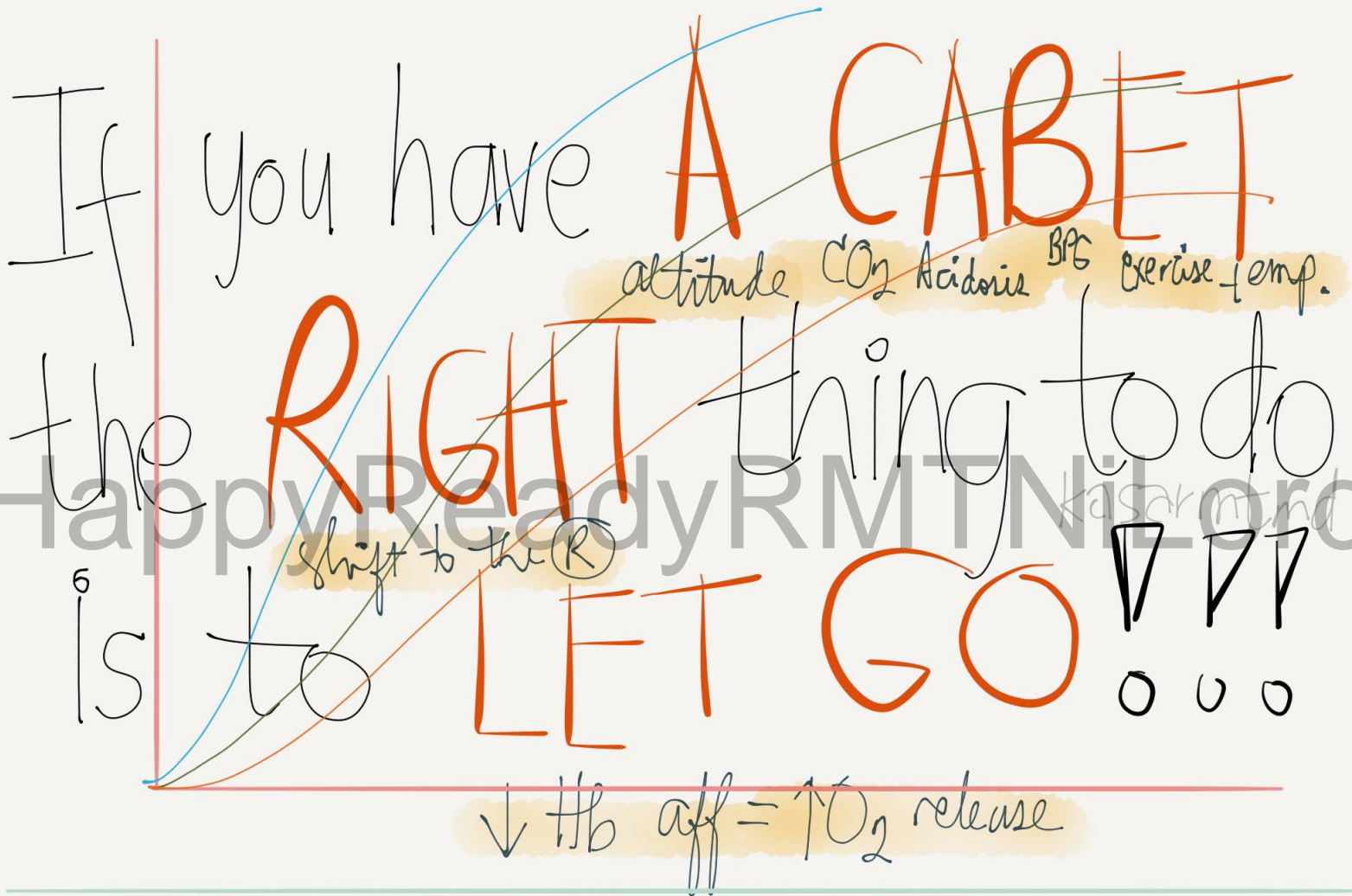


ENHANCED

Sina PIA at Rhea
may kidds na...
si Lewis ang ama!

P₁ Rh
I Kidd
ABO Lewis





OXYGEN DISSOCIATION CURVE (ODC)

GIANT PLATELETS

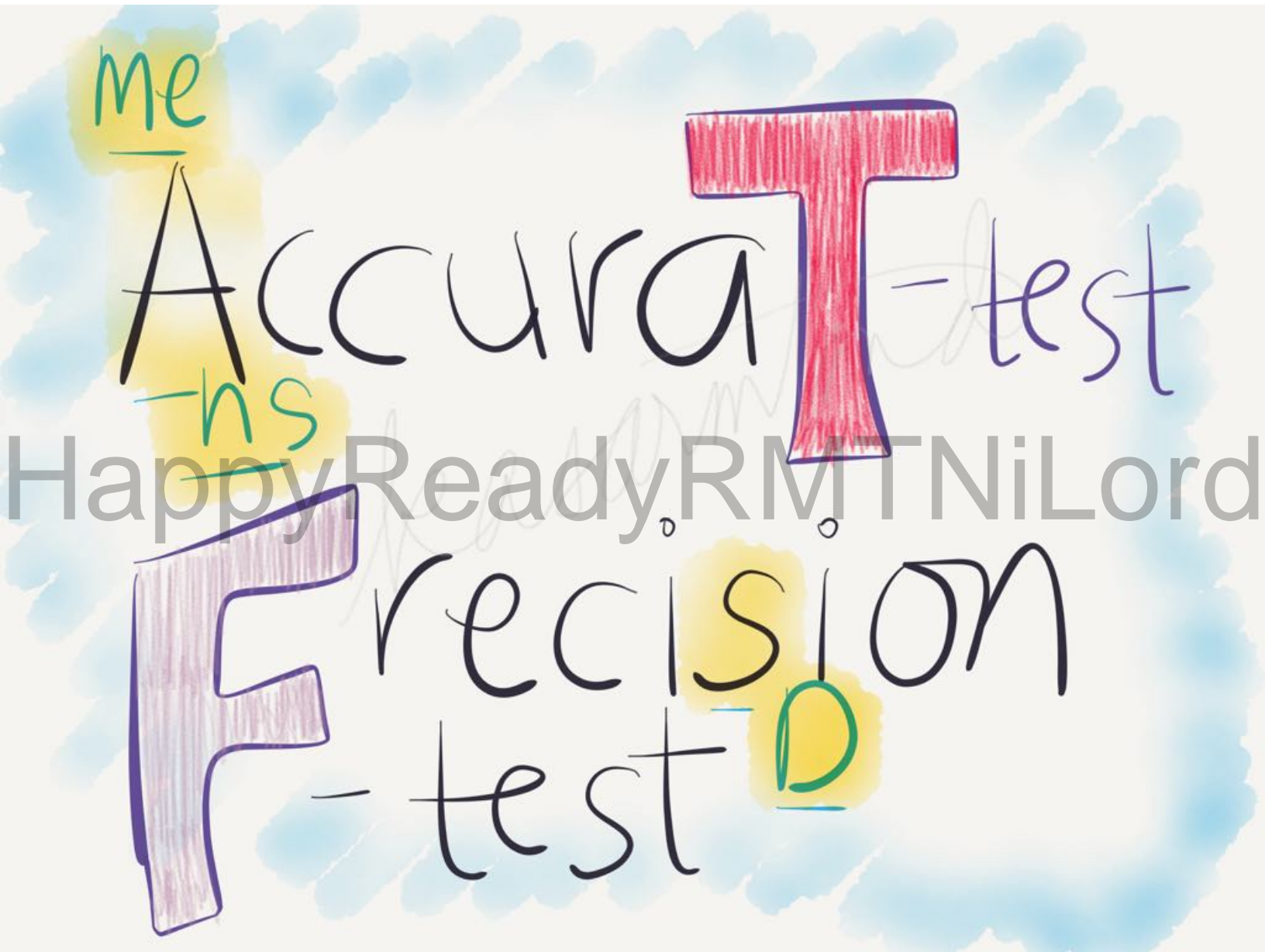
- ① Big Bernard Soulier
- ② Giant Gray platelet
- ③ Malaki May-Hegglin
- ④ Ala eh? anlake Alport syndrome

Wiskott
Aldrich TRIAD

THROMBOCYTOPENIA

ECZEMA

RECURRENT / IMMUNO
INFECTIONS / DEFICIENCY



13 / 22

COAGULATION FACTORS:

FACTORS ACTIVATED BY
COLD TEST

- 1 - FIBRINOGEN
- 2 - PROTHROMBIN
- 3 - THROMBIN FACTOR
- 4 - QUARCUM (QUARTER → "4")
- 5 - PRO ACCELELIN (5 SYLLABLES)
- 7 - PROCONSEVEN
- 8 - ANTI-HEMOPHILIC FACTOR
- 9 - PLASMIN
- 10 - STUARTIN
- 11 - same w/ 8
- 12 - on the 12th day of HAGEMAN
my TRUE LOVE sent to ME
- 13 - THIRTY STABILIZING FACTOR
- PK - Petchers
- HMWK - si fitz GERALD ay
Hanep
Mambabae
Walang
Kwenta

HappyReadyRMTNi

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Tara punta tayo
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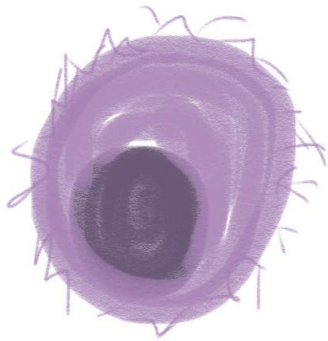
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orthomyxoviridae ← OR RHA bdoviridae yttt!



HAIRY CELL

B cell
Buhok

Happy Ready RMIT Ni Lord

SEZARY CELL

T cell
Ulak



DAT is POSITIVE



H H H
T R D N A

or

A H H
H A T R D N



All RNA viruses

Kasammond

are SINGLE-STRANDED

except

OREO viruses



Prothrombinase
complex

Happy Ready RMT Ni Lord

Xa Va PLCa²⁺

A_{NO}

A_{NG}

B_{EST}

C_{ROWD}
C_{ONTROL}

F_{OR}

F_{IGHTING}

O_{VER} P_{OWERED}

P_{LAYERS?}

R_{EMEMBER,}

R_{UN}

T_{AK BOOO!}

R_{ETREAT}



