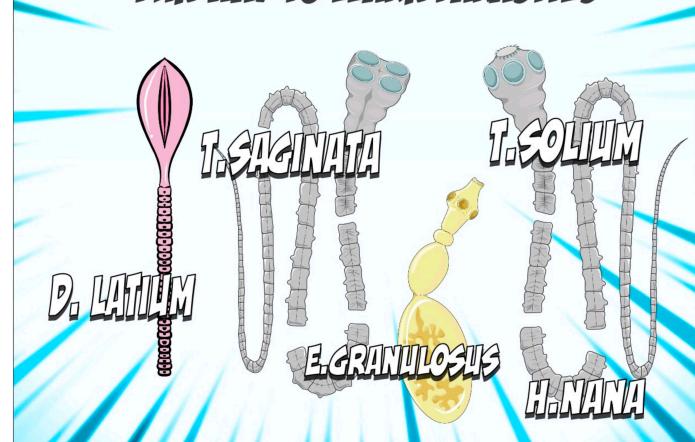


CESTODES

PIREFOLOSY CON ECON FINITION TO LET MARKET BIES



DR. TANMAY MEHTA



I just studied this for exam! I know this but cannot recall it". Has this ever happened to you? If yes, we have the solution... As a world's first medical comic studio we bring the creativity of cartoons into the field of medicine to make learning medical concepts fun. We offer affordable, innovative and entertaining alternative to improve competence, capacity and productivity for but not limited to medical and paramedical students worldwide. Medical studies through conventional books can be tedious and boring. It's often difficult to remember the vast amounts of information required to understand and remember the fundamental medical concepts. Hence, medical students cannot achieve their desired goals. The most frustrating feeling in the world is staring at a question during an exam, and not quite being able to recall the answer. "I just studied this! I know this but cannot recall it," you say to yourself, but the details of the memory just aren't clear enough.

Q world medical comics solves this problem by combining high-quality art and humour to make understanding and memorizing medical concepts easy and fun. You'll be so entertained it'll feel like you're not studying, but you'll actually be gaining and retaining medical knowledge! We will help medical students to become better doctors for a better health care delivery. A layman can also now understand the common diseases in an entertaining way.

Our vision is to build the world's first medical comic studio that will bring the creativity of cartoons into the field of medicine to make learning medical concepts entertaining and fun.

Our mission is to provide affordable and innovative alternative in form of medical comics to conventional medical educational materials.

Q world medical comics offers varieties of medical comics on various subjects for the first time in the world. Our intention of launching medical comics is to help our clients improve their competence, capacity and productivity in an enjoyable format as Digital Medical comics (ebooks) as well as Paperback medical comics.

We thank medical and paramedical students as well as faculties worldwide for their tremendous support and suggestions. If you have any suggestions, idea, comment, review, or you want to contribute or volunteer for our project feel free to contact us at qworldmedicalcomics@gmail.com



About the Author:

Dr. Tanmay K. Mehta(MBBS, MD, DNB, MNAMS, PGDCTM, ACME, DipFRCP) Assistant Professor, Department of Microbiology, Smt. NHL Municipal Medical College, Ahmedabad

Read about his journey as an author, medical illustrator and medical comics creator:

"My book writing journey started in 2017 with the "500 Most Common List For NEET-PG" published on kindle and amazon. This book got a huge response from medical students all over India and became the best seller in medical entrance exam books on kindle-amazon since 2017.

Inspired by the success of this book, I wrote and publish "Parasitology Simplified: easiest way to learn parasites" first edition (2017) and second edition (2019). Then the journey continued with many books like Immunology Flash Cards, Bacteriology flashcards, Mycology and Virology flashcards, Bacteria High Yield concepts, Biomedical waste management rules simplified and recently Basic course in biomedical research handbook.

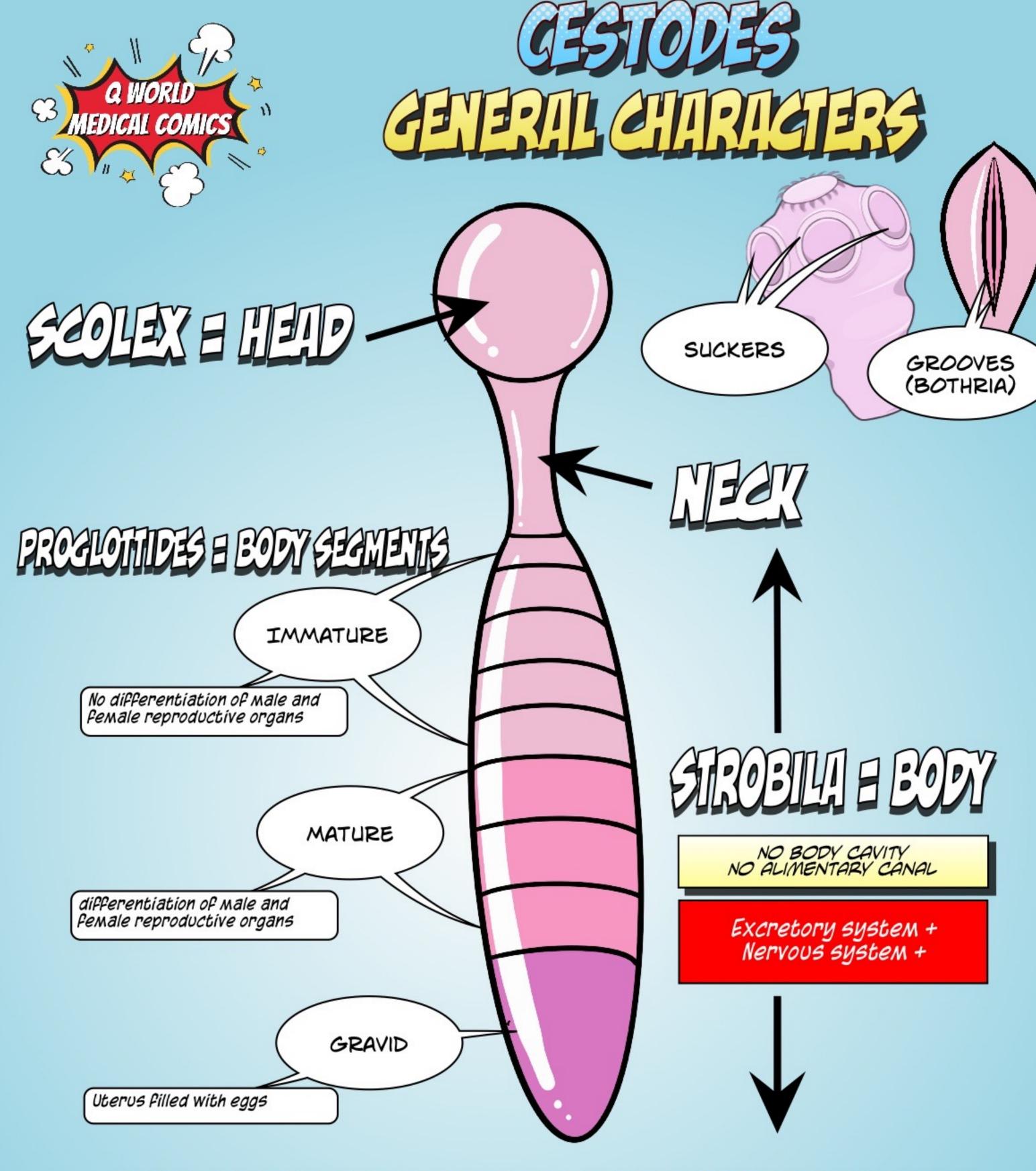
In 2019, I have pursued my old passion for sketching doodles, portraits, comic characters on paper and on the digital platform. One day I made a carton that is entertaining, visually stunning as well as provide high yield information on a medical topic. It got a tremendous response on social media. So, I decided to bring the creativity of cartoons into the field of medicine to make learning medical concepts entertaining. That's how "Q world Medical Comics" started. With help of friends and the support of Q world, I created the world's first medical comic studio. The mission is to provide an affordable and innovative alternative in form of medical comics to conventional medical educational materials without affecting technical correctness.

From my vast experience in medical teaching, I have observed that medical studies through conventional books can be tedious. It's often difficult to remember the vast amounts of information required to understand and remember the fundamental medical concepts. Hence, medical students cannot achieve their desired goals. The most frustrating feeling in the world is staring at a question during an exam, and not quite being able to recall the answer. Q world medical comics solve this problem by combining high-quality art and humour to make understanding and memorizing medical concepts easy and fun.

I published my first medical comic book "Cholera: Medical Comic" in April 2019. Overwhelmed by its response, I published medical comics about "Clostridium, Parasitology basics, Amoebae, Cestodes and Malaria. I invite all faculties and students who want to volunteer for the project to make medical education more interesting."

Instagram handle: medicalcomics





CORPORTING FULL TIPE LIKE WORKS
NO SERVINE SEXES



Phylum PLATYHELMINTHES

Flattened. leaf-like or tape-like and segmented. Hermaphrodite (monoecious). Alimentary canal incomplete or entirely lacking & Body cavity absent.

Class CESTOIDEA

Subclass CESTODA

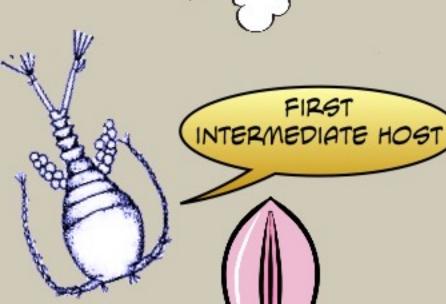
General Characters:

- long, segmented and tape-like, hence called tapeworms (flattened dorsoventrally.)
- Size: few millimetres to several metres.
- Habitat of adult worm: intestinal canal of man and animal.
- There are three regions in an adult worm:
 - ⇒ a "head" (scolex): has organs of attachment called suckers (s lit-like or cup-like) which are sometimes with hooks
 - ⇒ a "neck"
 - ⇒ a strobila (a body or trunk) consisting of a series of segment s (proglottides) .: Reproductive system is highly developed and complete in each segment. According to the maturity of reproductive organs three type s of segment s of the strobila can be recognised from the front backwards:
 - Immature: Male and female organs not differentiated .
 - Mature: Male and female organs have become differentiated (male organs appear first).
 - Gravid: Uteri are filled with eggs (other organs atrophied or disappeared).
- Sexes are not separate, i.e., each individual worm is a hermaphrodite.
- Body cavity is absent
- Alimentary canal is entirely absent.
- Excretory and nervous systems are present

Order I Pseudophyllidea		Order II Cyclophyllidea	
•	"Head": has 2 slit-like grooves.	•	"Head" :has 4 cup-like suckers.
•	Uterus: No branching; the convoluted uterine tube assumes the form of a rosette.	•	Uterus: Branching mayor may not be present
•	Uterine Pore : Present.	•	Uterine Pore : Absent.
•	Common Genital Pore: Ventral, in the middle line .	•	Common Genital Pore: Lateral.
•	Eggs : Operculated; give rise to ciliated larvae	•	Eggs :Not operculated; do not give rise to cili ated larvae .



CESTODES



DRINGEOURIUM LATIUM

FAI THEWORK

SECOND INTERMEDIATE HOST

•



MATERIAN

I AM DEFINITIVE HOST!





Definitive host for all. Intermediate for E.granulosus

FOR THEWORK

INTERMEDIATE HOST

THE STATISTICAL ST

INTERMEDIATE

MEROLEPIS MININ

NO INTERMEDIATE HOST

I AM OPTIMUM DEFINITIVE HOST

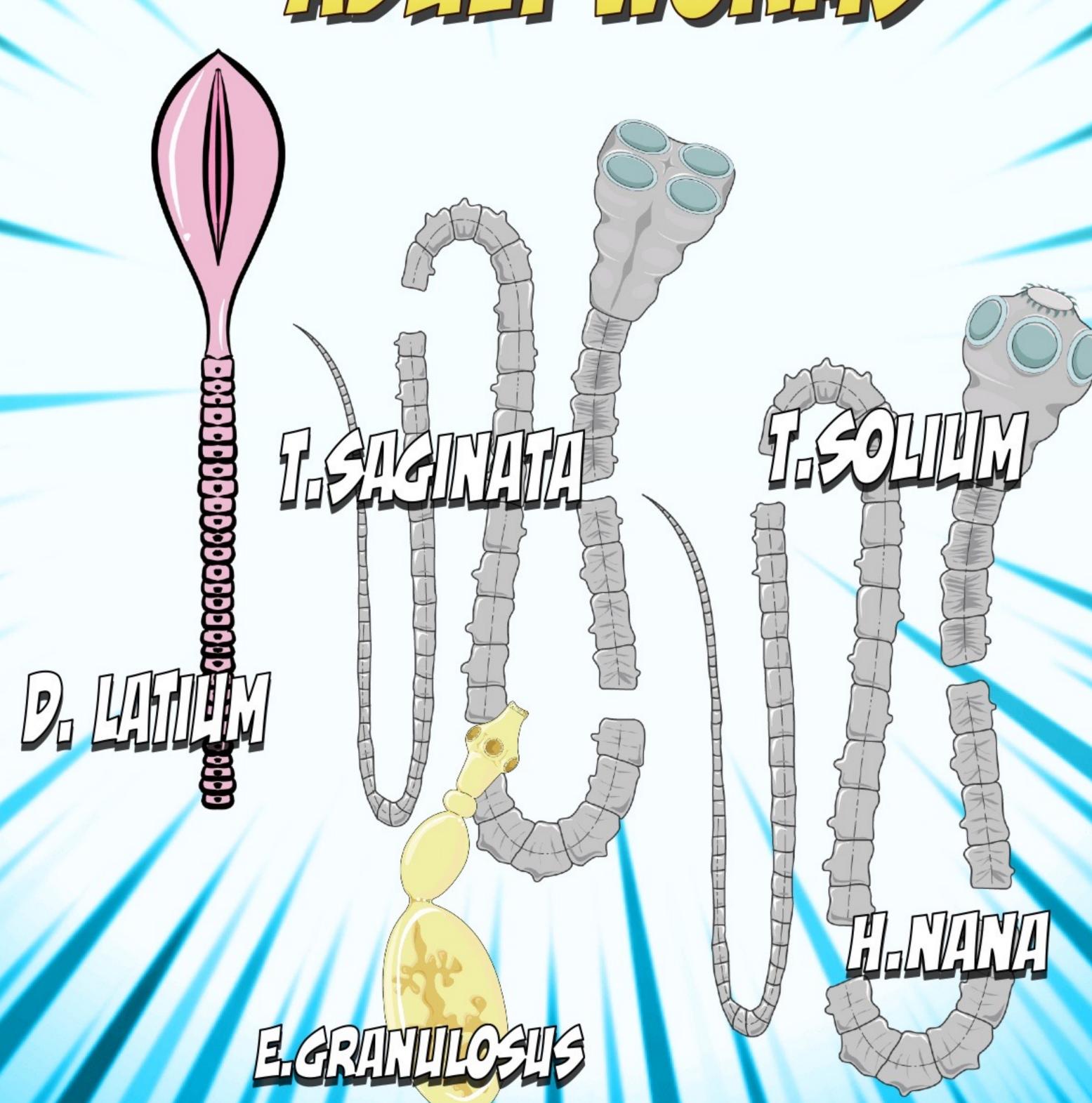


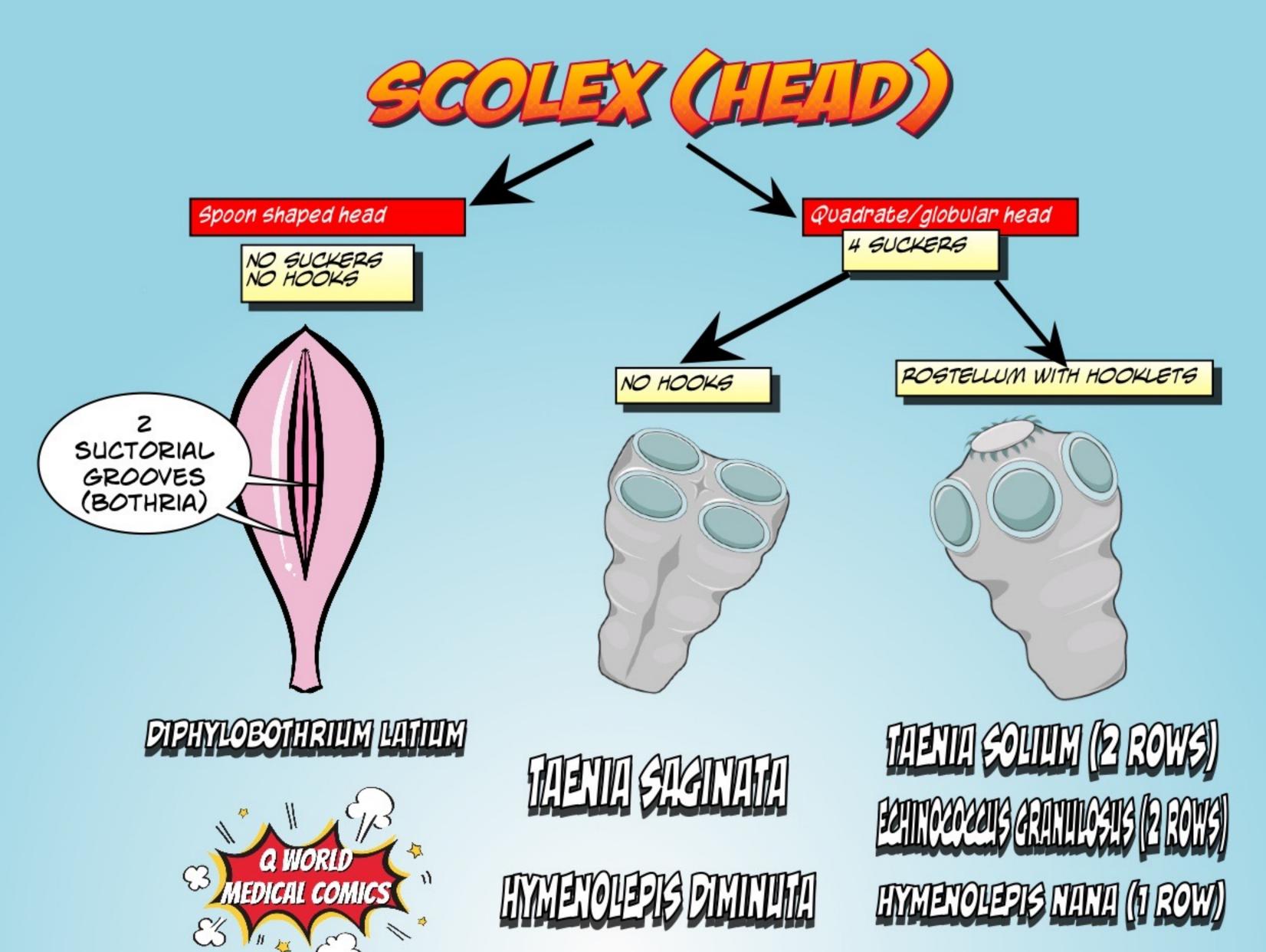


8.3.1	Diphylobothrium Taenia Taenia		Taenia	Echinococcus	Hymenolepis
	latum	Saginata	Solium	Granulosus	nana
Common	-Fish tapeworm	-Beef tapeworm	-Pork tapeworm	-Taenia echinococ-	Dwarf tape-
name	-Broad tape worm	-Unarmed tape-	-Armed tapeworm of	cus	worm
		worm of man	man	-Dog tapeworm	
				-Hydatid worm	
GD	Central & North	Worldwide	Worldwide	Worldwide	Worldwide
	europe	India -Muslims	Unocommon in	Temperate	Cosmopolitan
	North america		Muslims & Jaws		
	Siberia				
	Japan				
	Central africa				
	India (less common				
	-cooked fish eating)				
Habitat	SI (ileum)	SI (upper jeju-	SI (upper jejunum)	SI of dog	SI
		num)			
Hosts	DH : Man > dog,cat	DH: Man	DH: Man	DH:	DH: Rat > Man
	IH-1: Cyclops	IH: Cow	IH: Pig>Man	dog>wolf,fox,jacal	No IH
	IH-2: fresh water	(T.saginata asi-		IH: sheep > cow,pig	Helminths
	fish	atica – IH is		Accidental IH : Man	don't multiply
	(pike,trout,salmon,	pig)			in DH except
	perch)				H.nana
Mode of	Ingestion of under-	Ingestion of un-	-Ingestion of under-	Ingestion of egg's in	Direct : Ingestion
inf. For	cooked/raw fish	dercooked beef	cooked pork(Larva)	dog feces (sheep)	of food/
Man		(larva)	-Ingestion of water/	Contaminated fingers/	autoinfection
		(T.saginata asiat-	vegetable/	food	Indirect : beetles/
		ica – cysticerci in	autoinfection/reverse	(not water-egg sink to	rat flea
		liver of pig)	peristalis (egg)	bottom)	
Infective	L-3: plerocercoid larva	-Cysticercus bovis	-Cysticercus cellulose	Embryonated Egg	Embryonated egg
form	(not destroyed by salt/	in beef	in pork		
	smoke)		Egg		
			10 - 10 m		

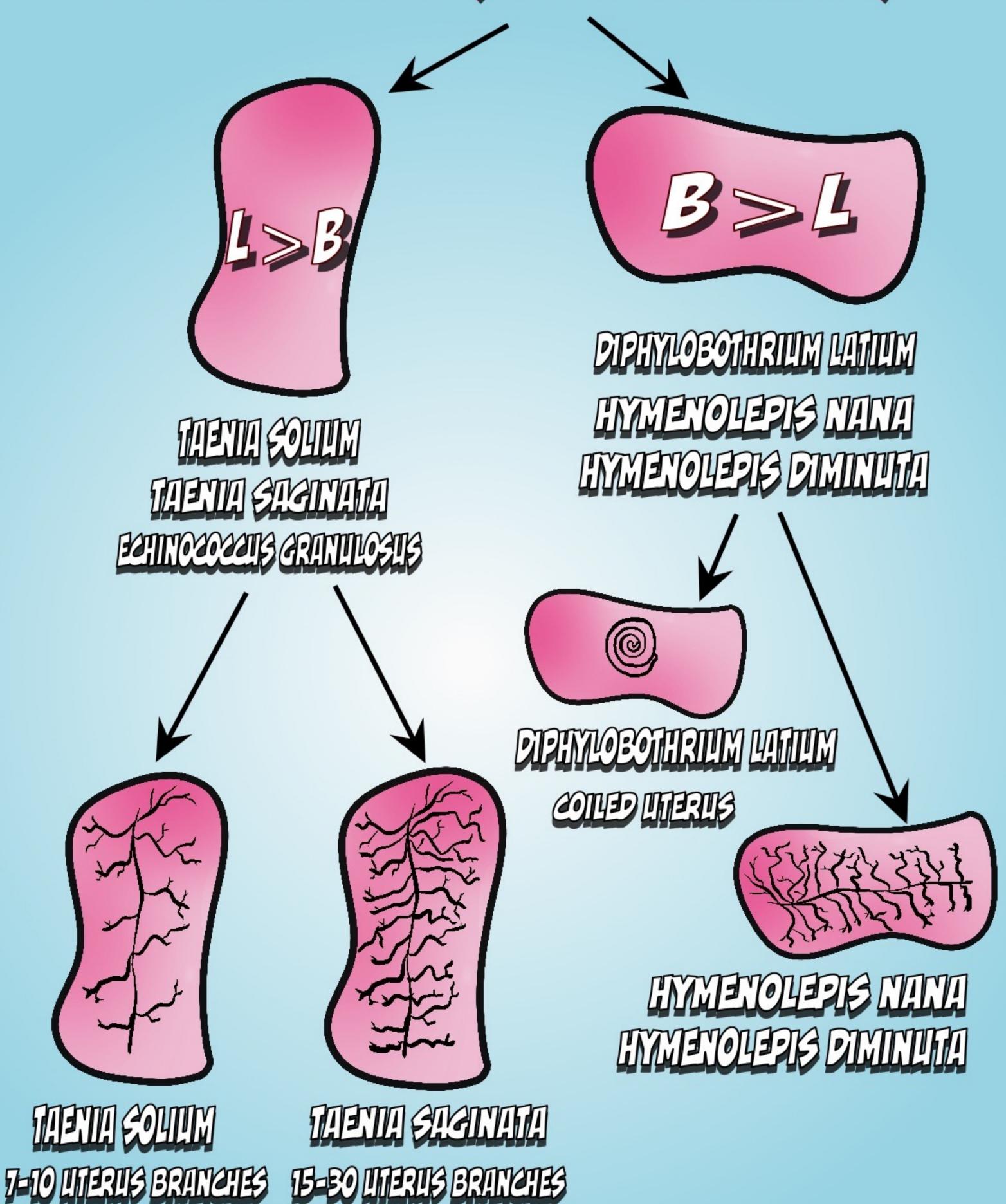


CESTODES CESTODES





ROCLOTTUES (BODY SEGIETIES)



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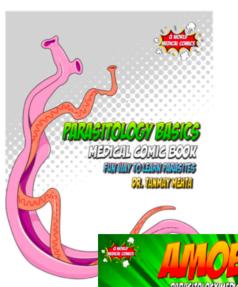
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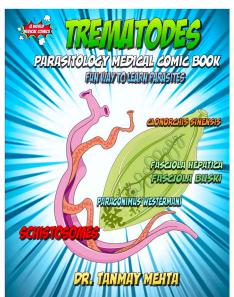


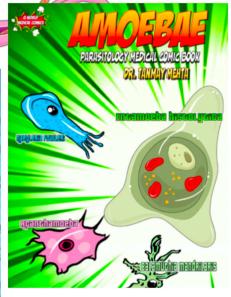




Or Whatsapp us at +91 9712938272













DS. TELIMETY MERITA



Fun to learn MEDICINE