



WHEN WE KILL BAD THINGS LIVING IN OUR BODIES, WE KILL THE GOOD THINGS TOO

MEDINI K. ANNAVAJHALA, PHD

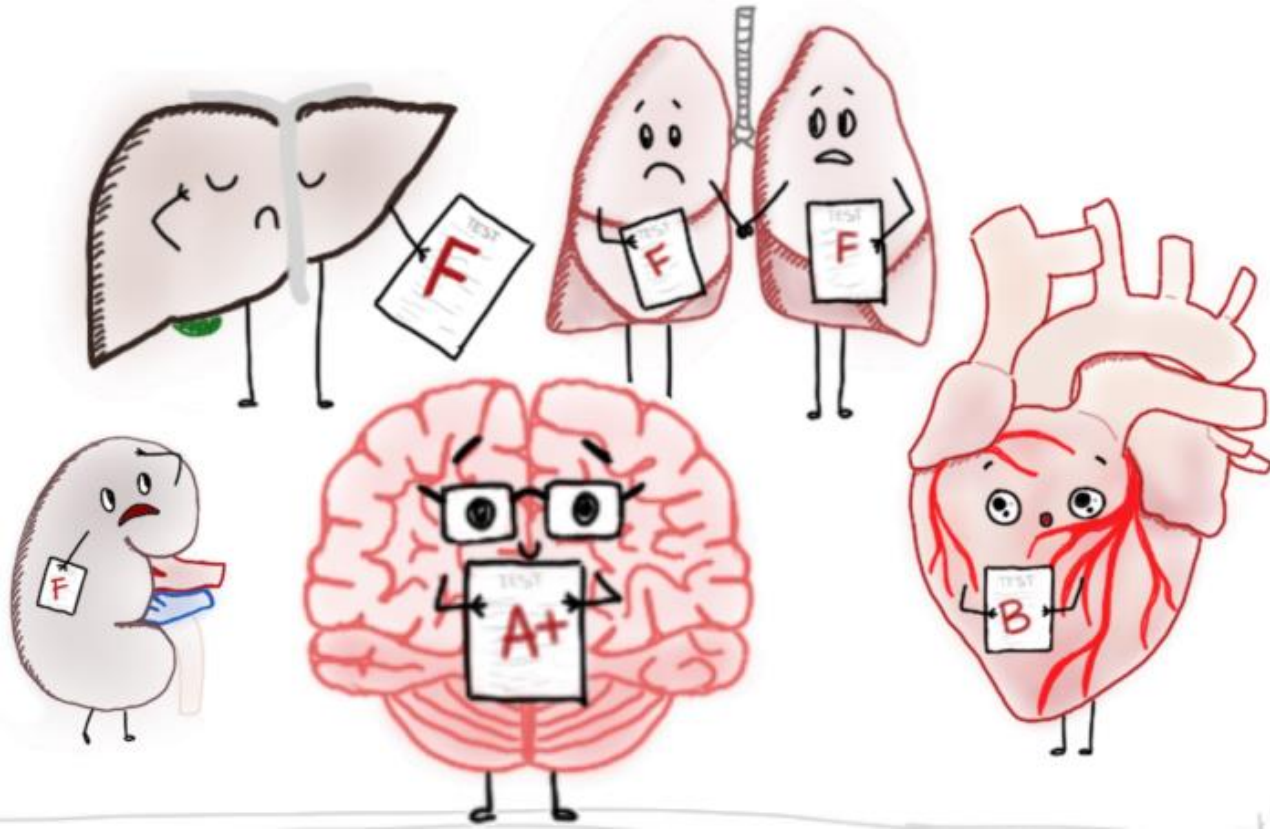
POSTDOCTORAL RESEARCH FELLOW

COLUMBIA UNIVERSITY MEDICAL CENTER, NEW YORK, USA

ASM MICROBE 2019 • UP-GOER FIVE SYMPOSIUM

SATURDAY, JUNE 22, 2019

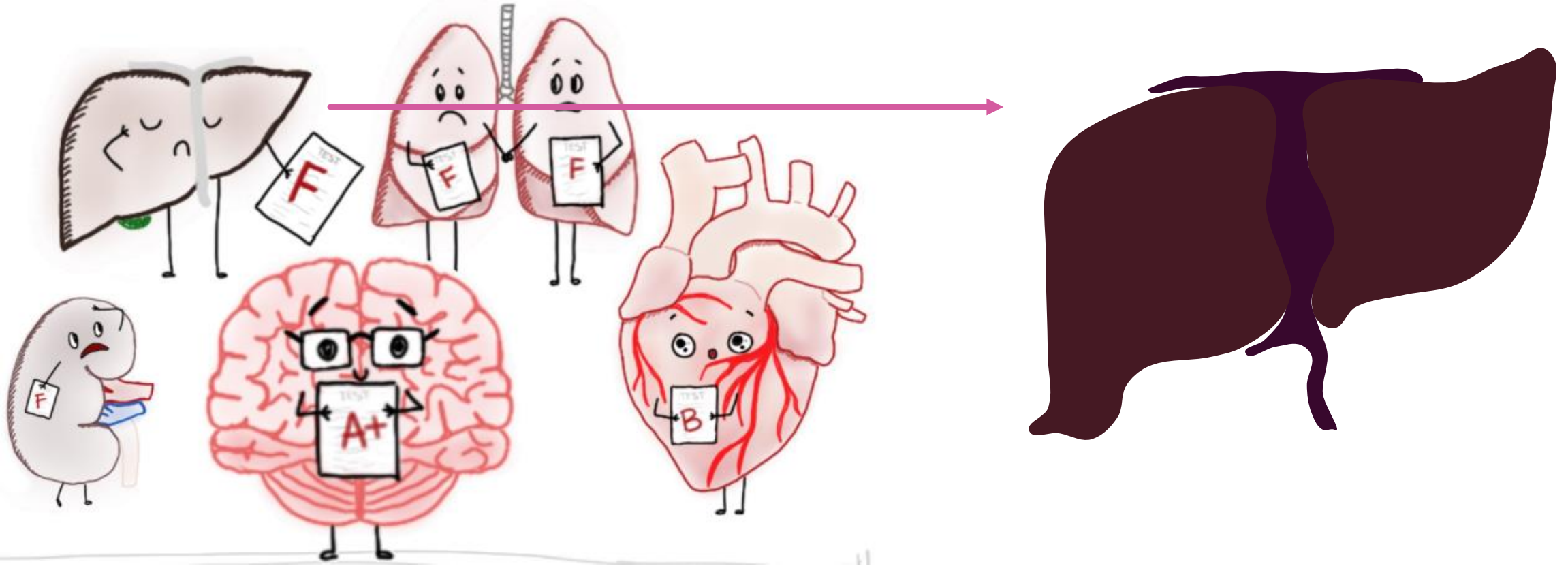
MANY PEOPLE NEED NEW BODY PARTS



THIS PERSON MADE THIS:

<https://medium.com/@cecyliaw/obliterating-endarteritis-fcd9650b5bd5>

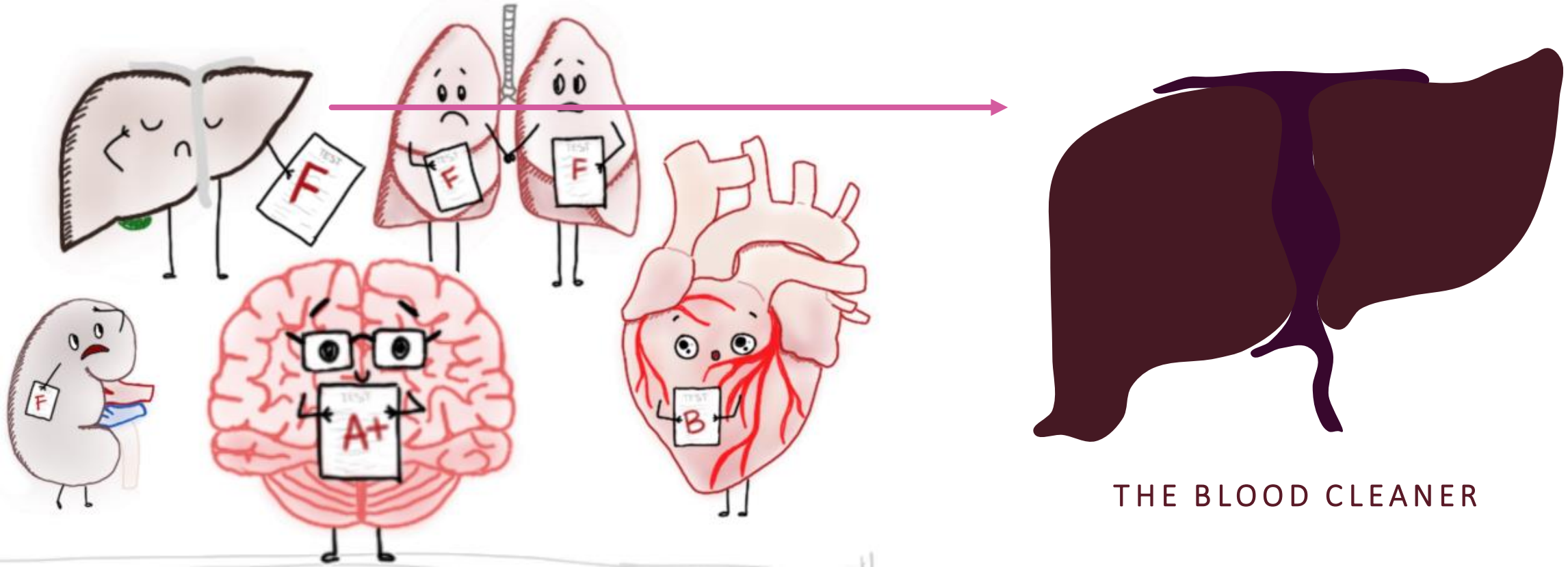
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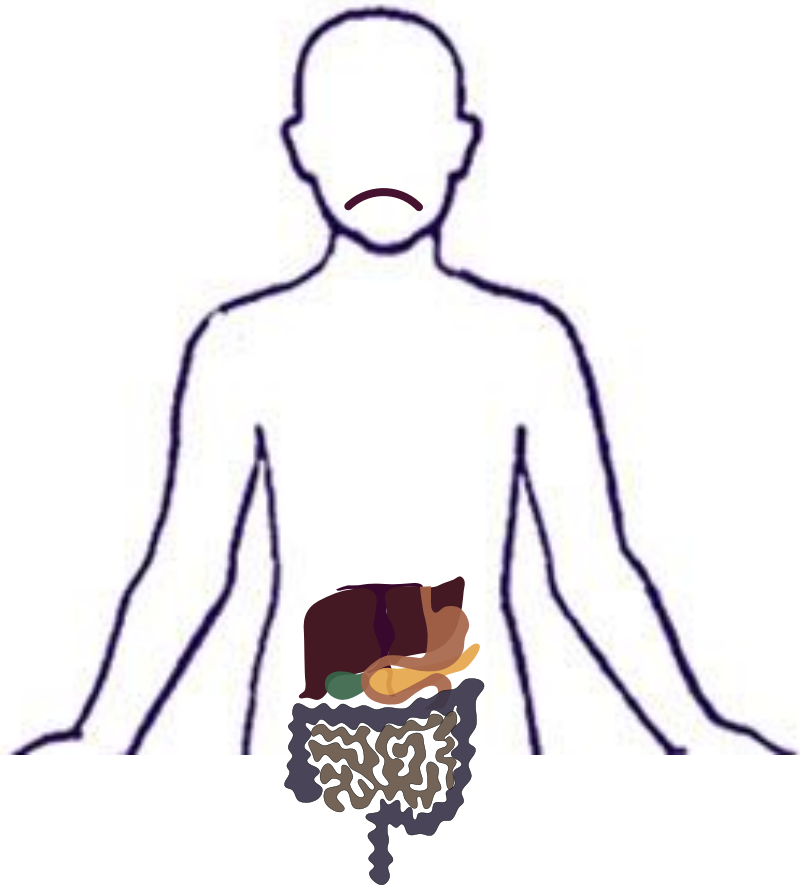


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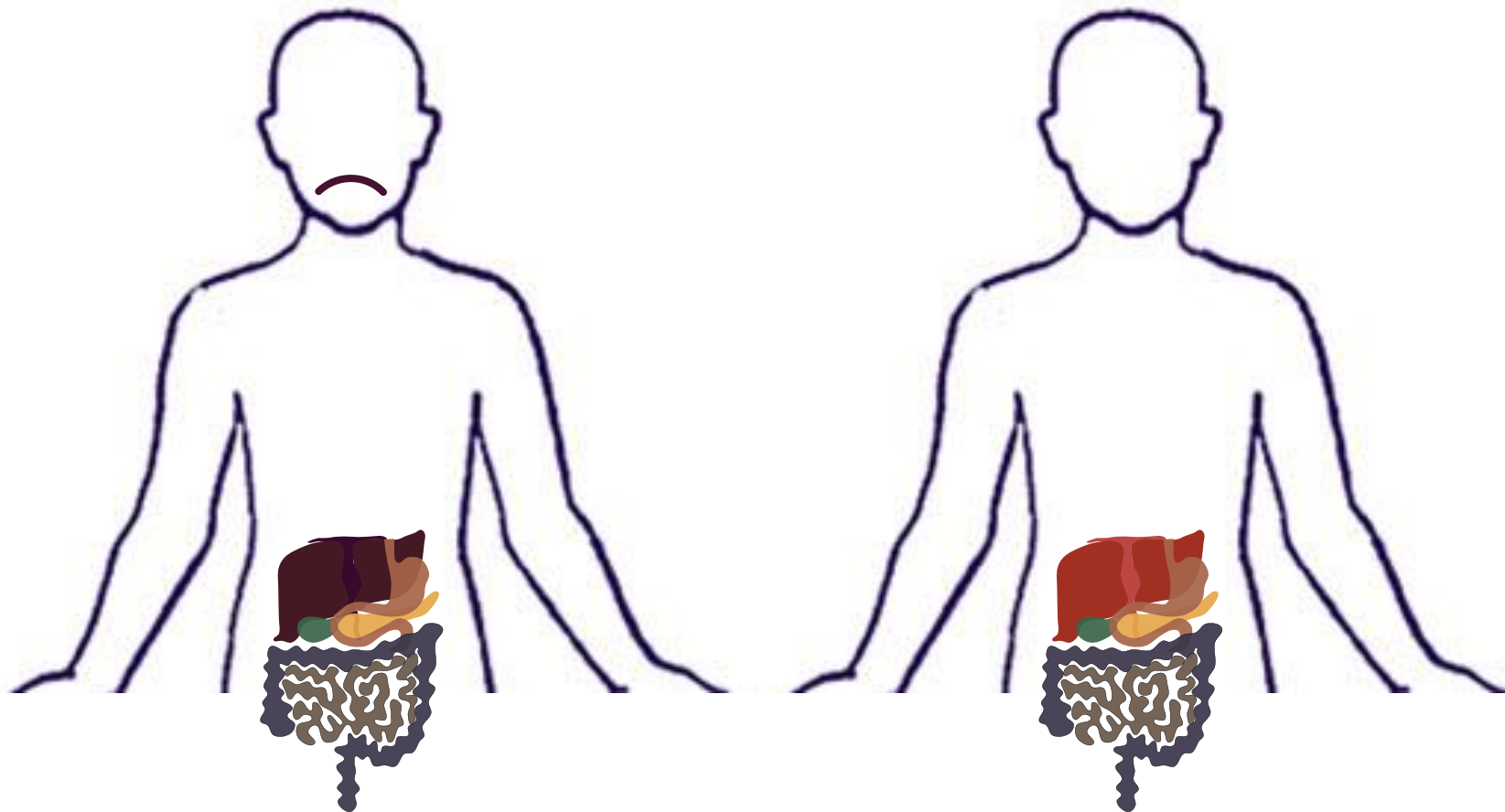
PEOPLE GET REALLY SICK AFTER GETTING NEW BODY PARTS

- Especially after getting a new Blood Cleaner



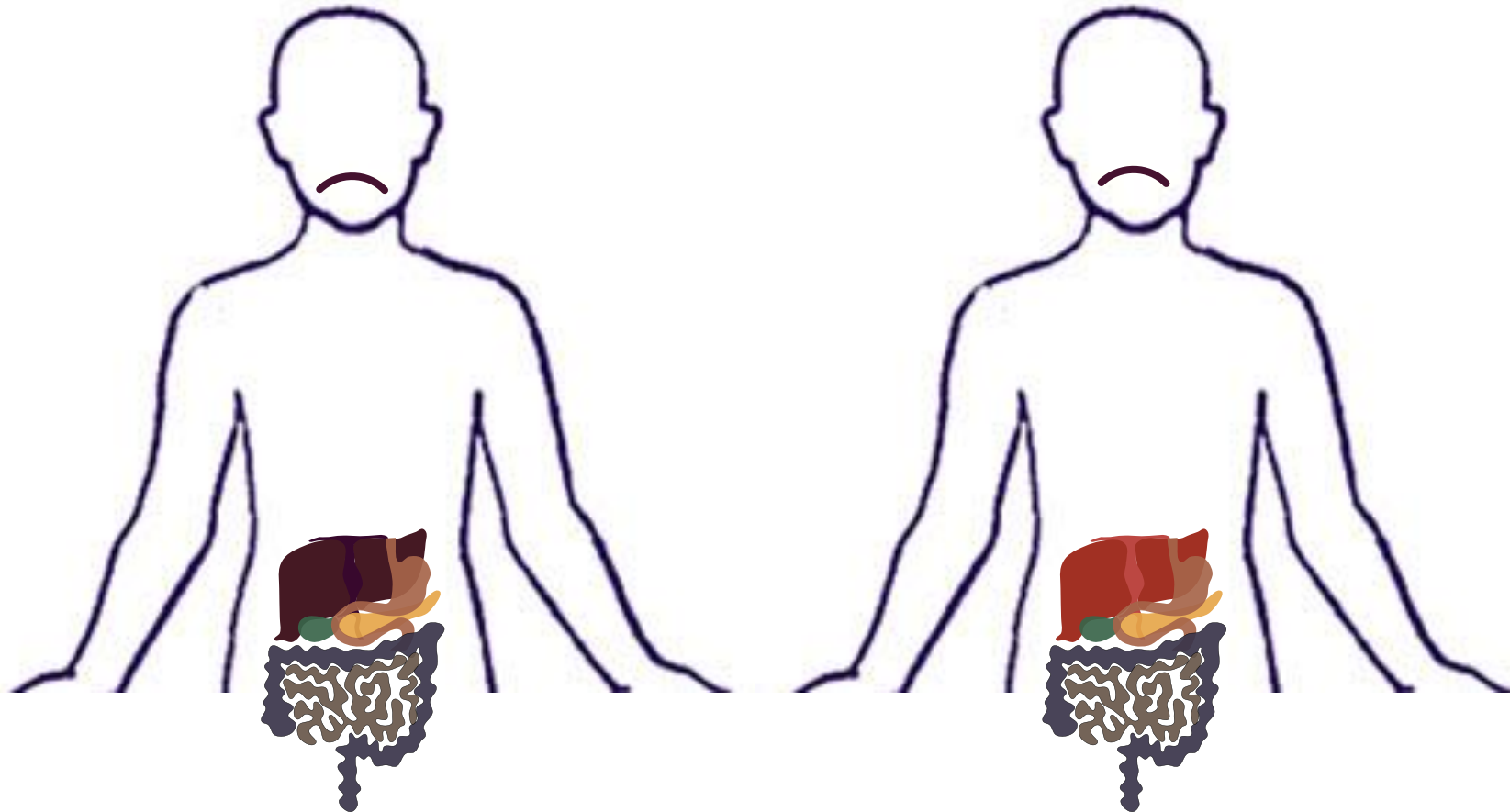
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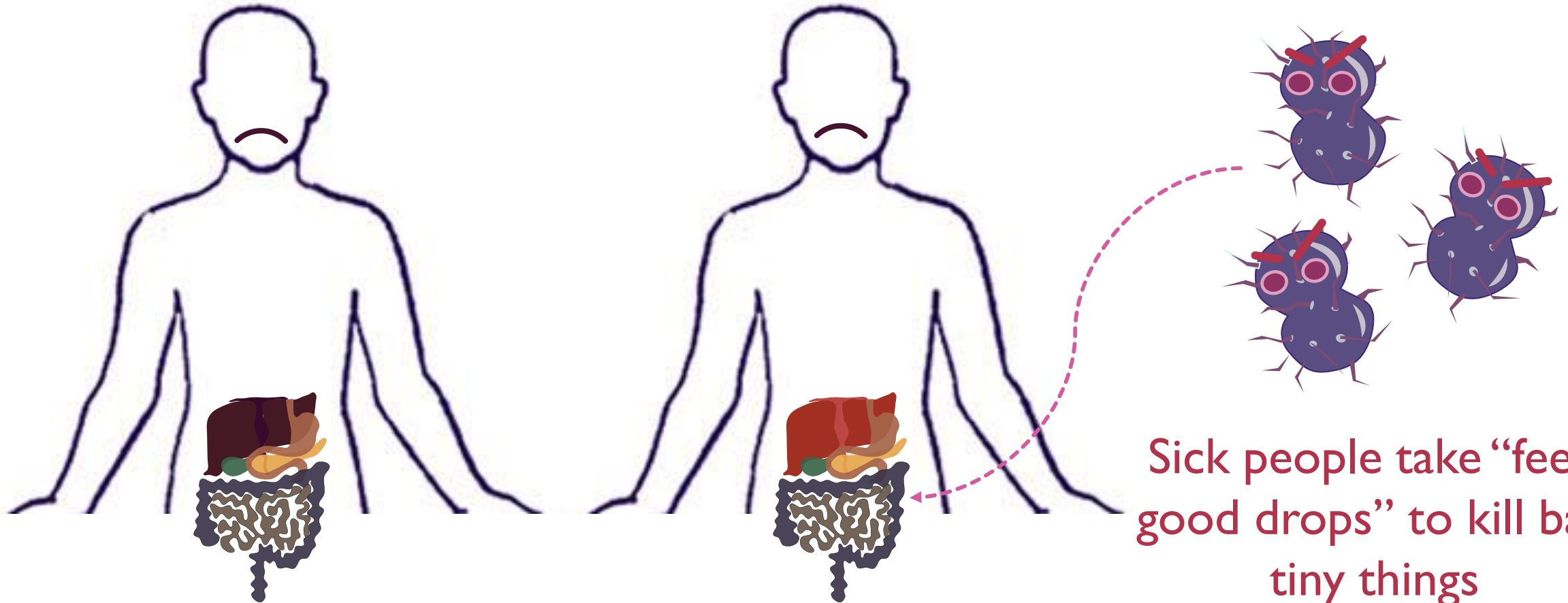
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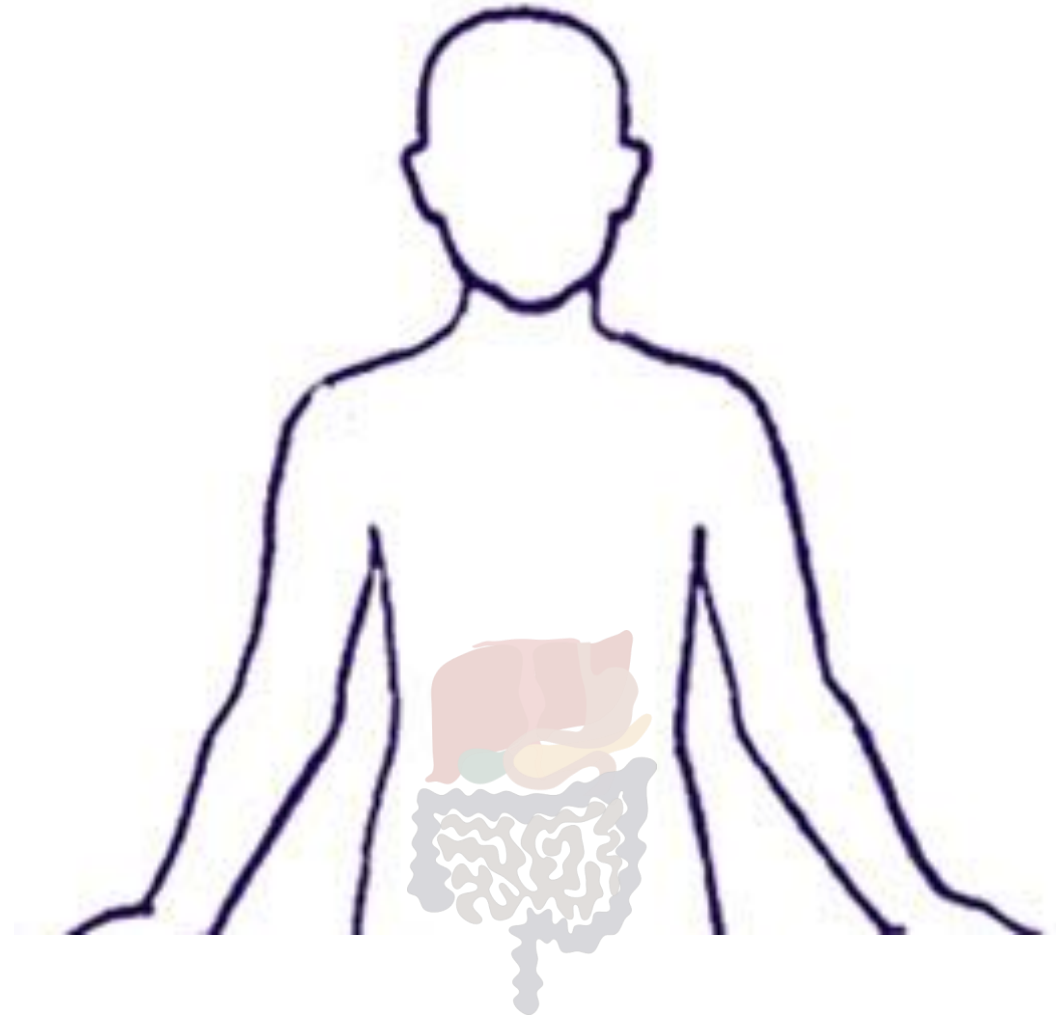
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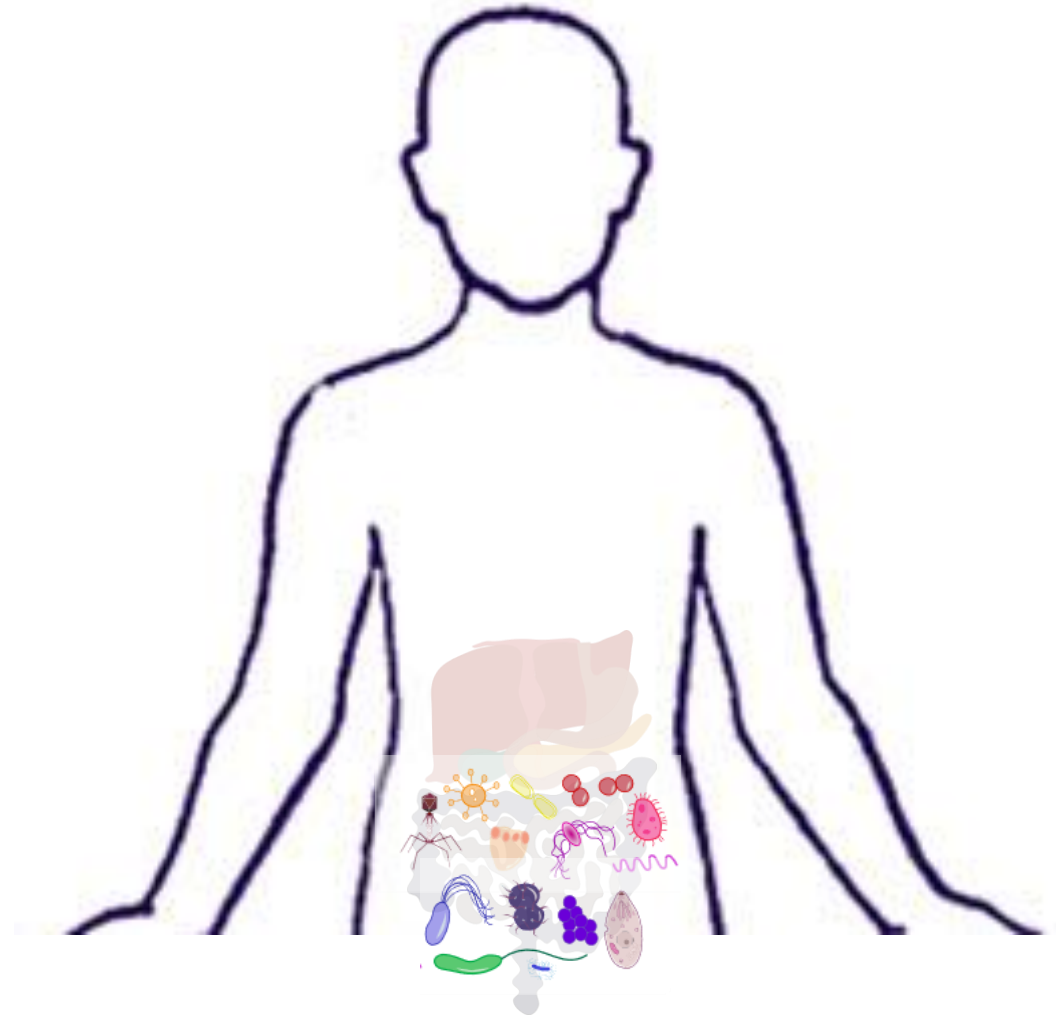


Sick people take "feel-good drops" to kill bad tiny things

GOOD AND BAD TINY THINGS LIVE INSIDE YOU (& ON YOU & AROUND YOU)

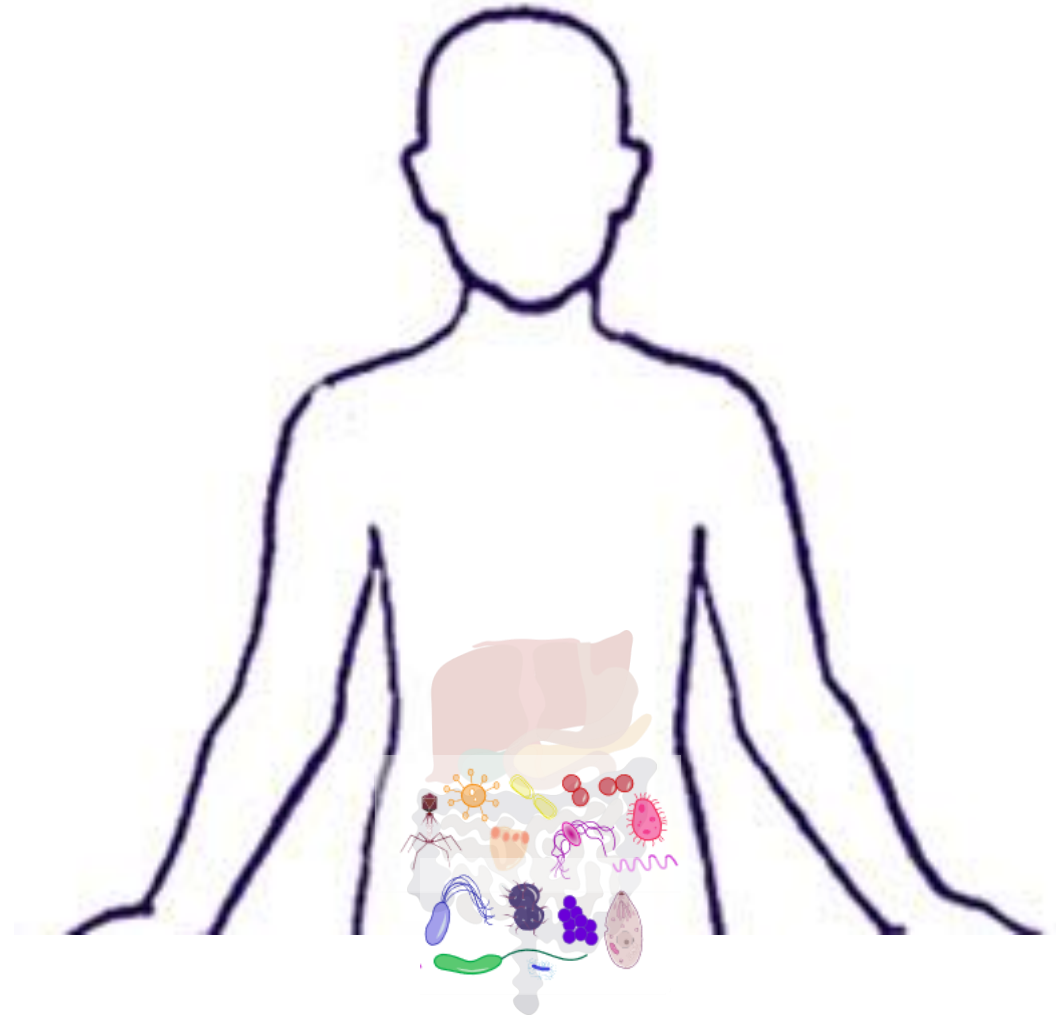


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GOOD TINY THINGS

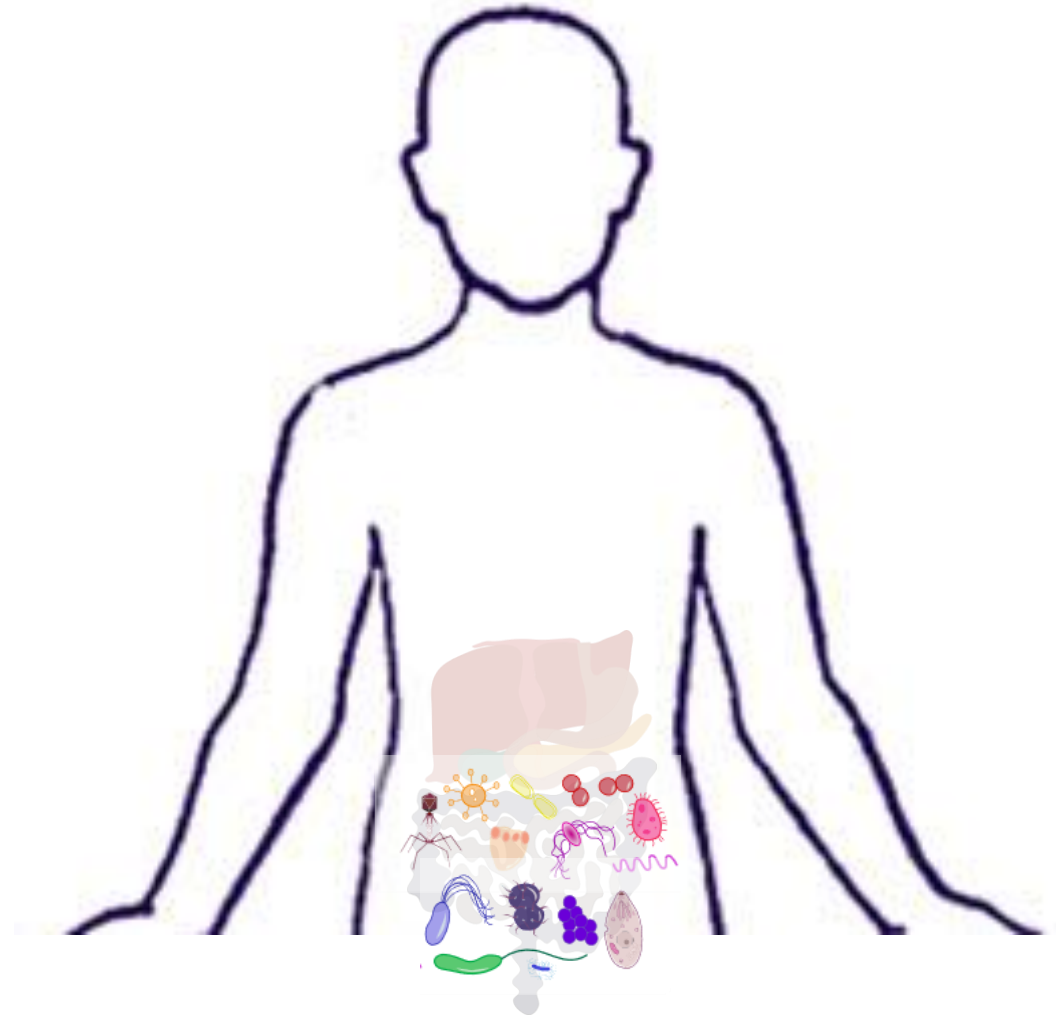
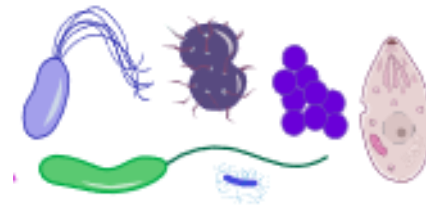


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GOOD TINY THINGS



BAD TINY THINGS

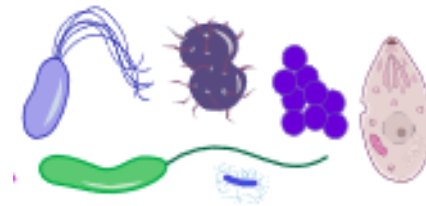


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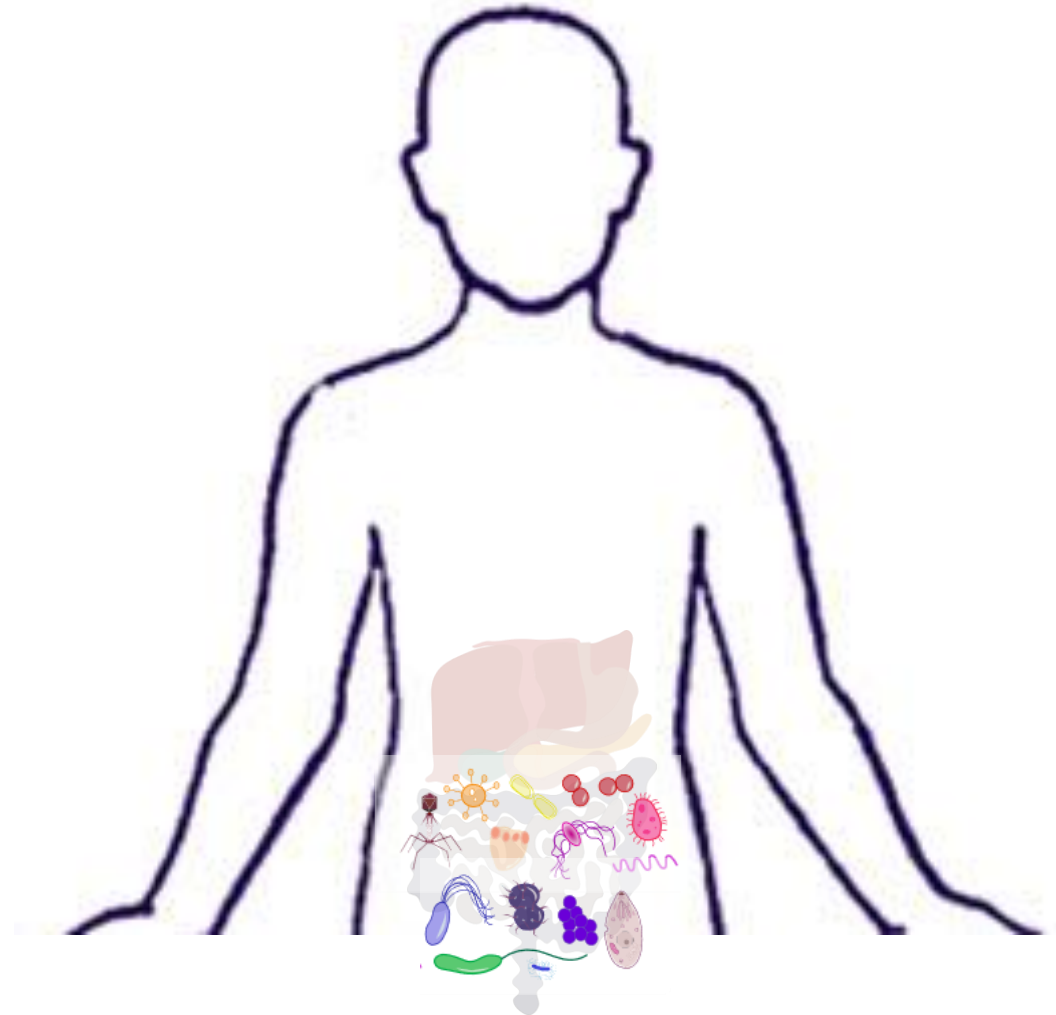
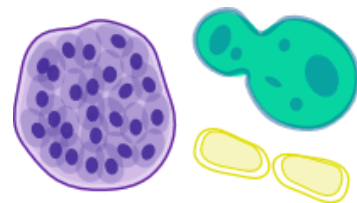
GOOD TINY THINGS



BAD TINY THINGS



??? TINY THINGS



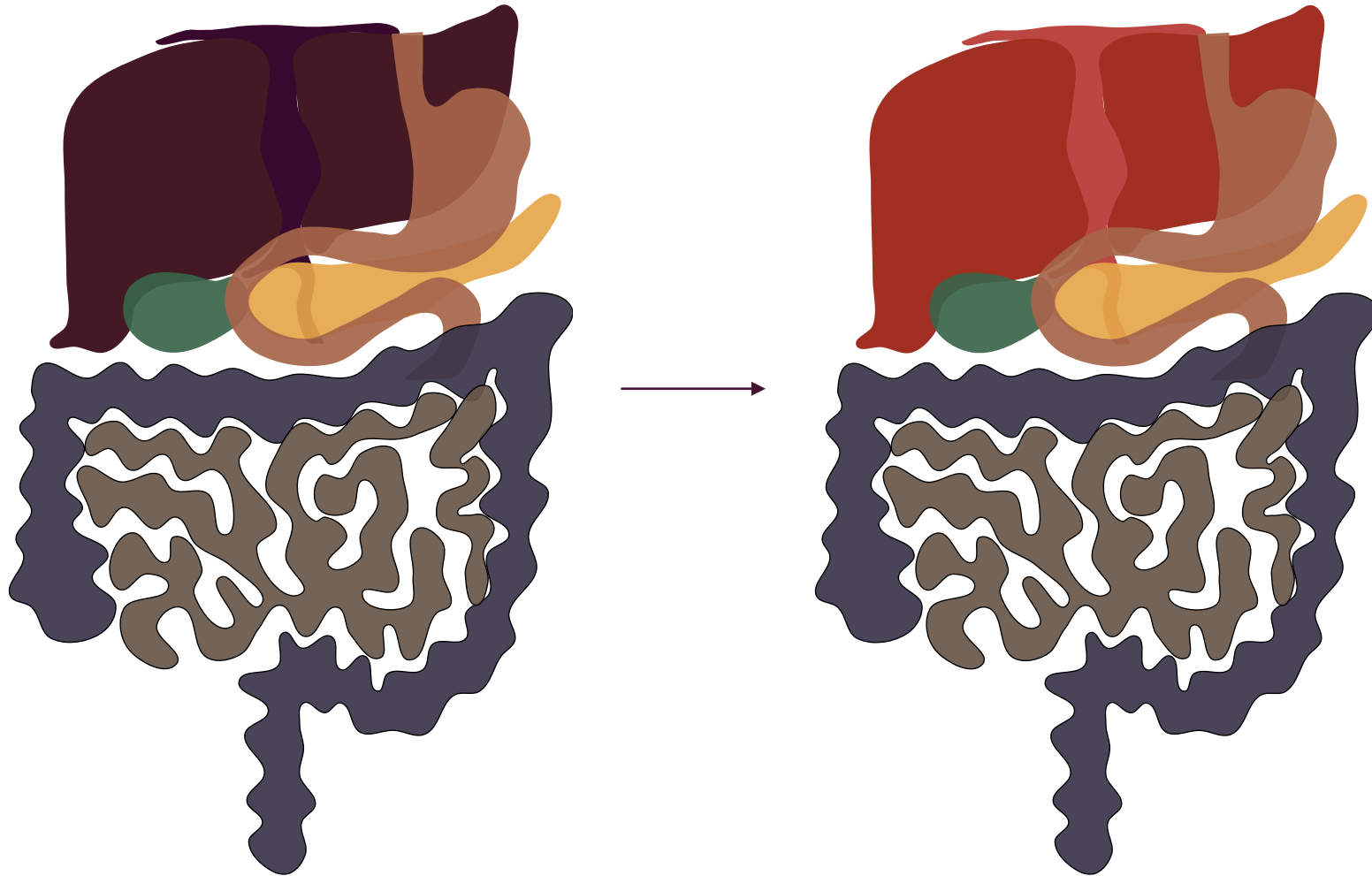
WHAT WE THOUGHT COULD BE TRUE

1. Feel-good-drops will kill a lot of tiny living things
2. Feel-good-drops should kill mostly bad tiny things but may kill good ones too
3. The type of feel-good-drops matters

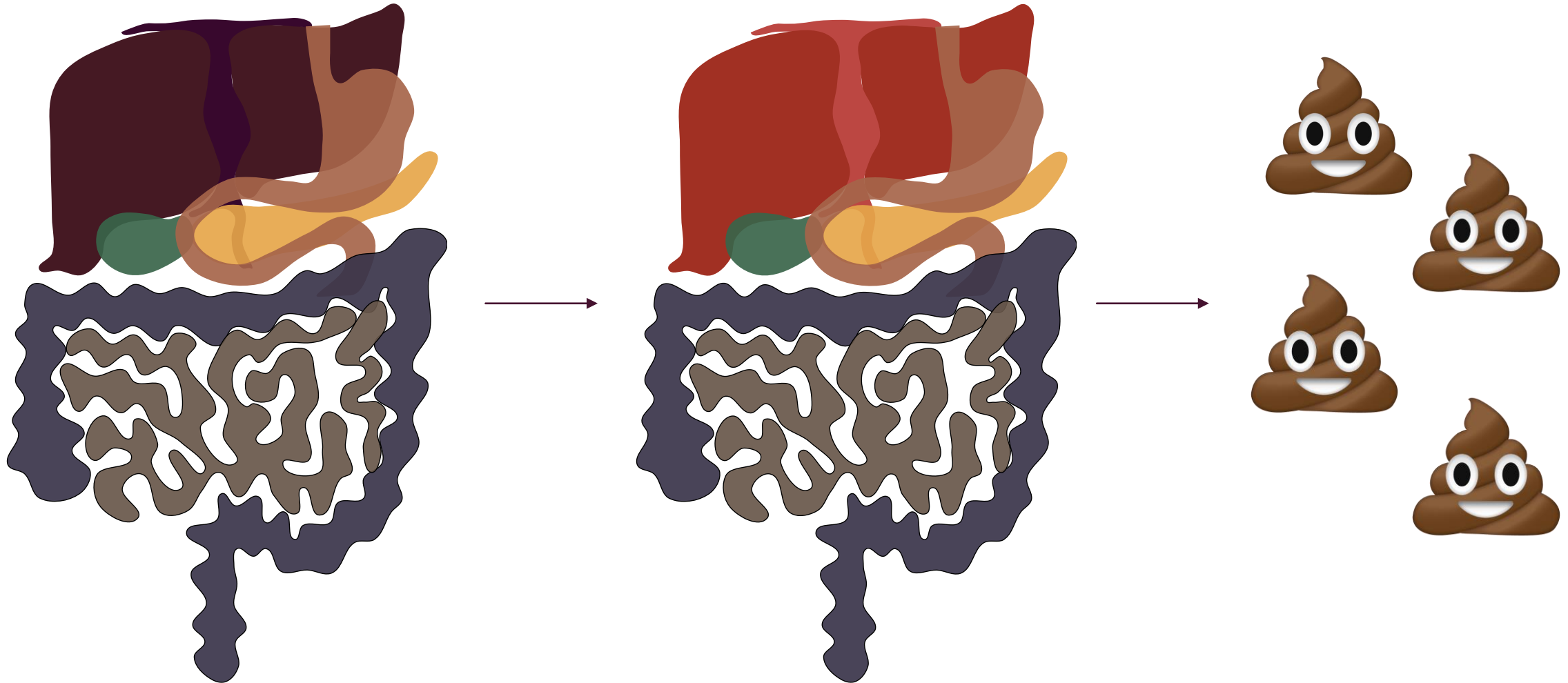
PEOPLE WITH NEW BLOOD CLEANERS



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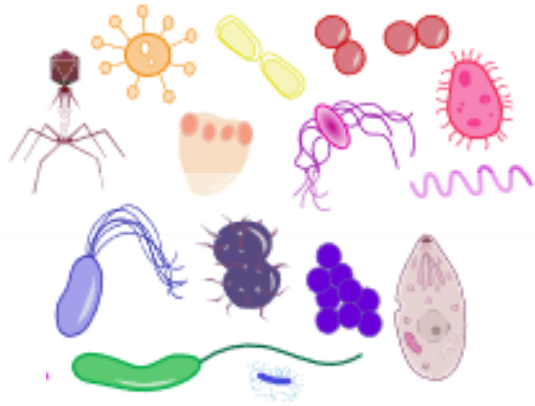
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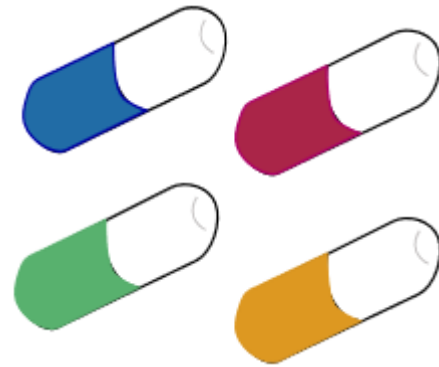
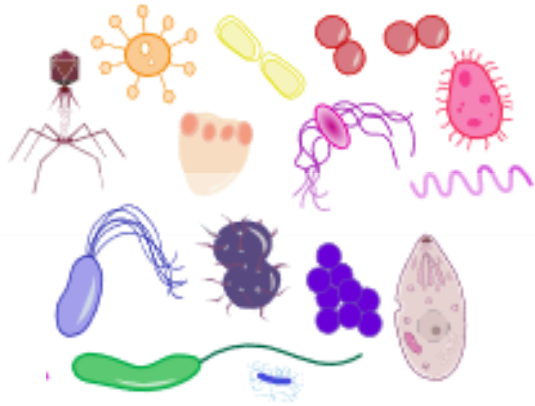
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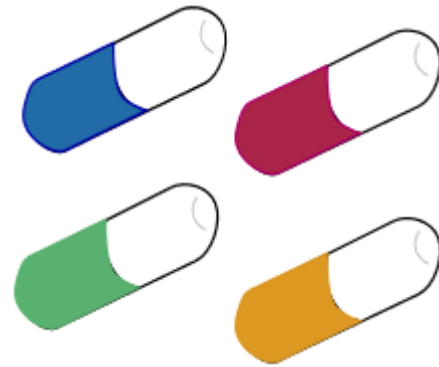
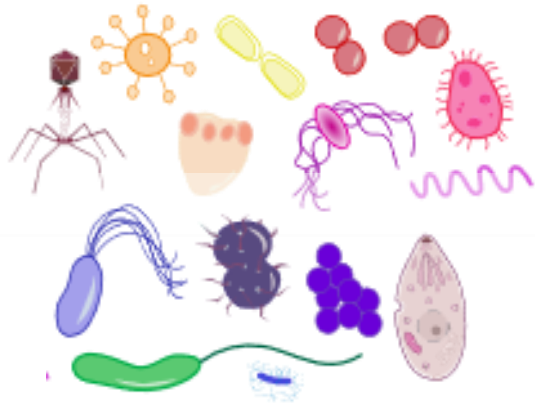
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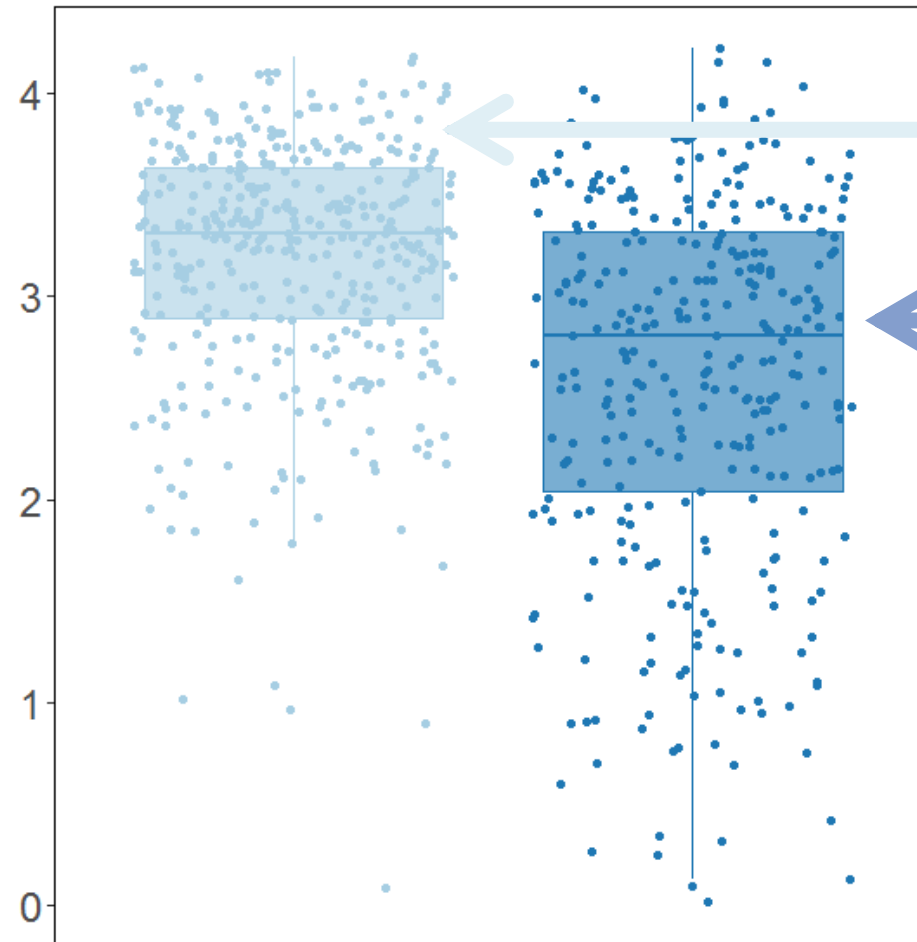
PEOPLE WITH NEW BLOOD CLEANERS



I GOT THIS HERE:
<http://www.chromagar.com>

FEEL-GOOD-DROPS KILL MEAN AND GOOD TINY THINGS

HOW MANY
TINY THINGS
ARE IN THE
PERSON'S BODY
(MORE IS
BETTER)

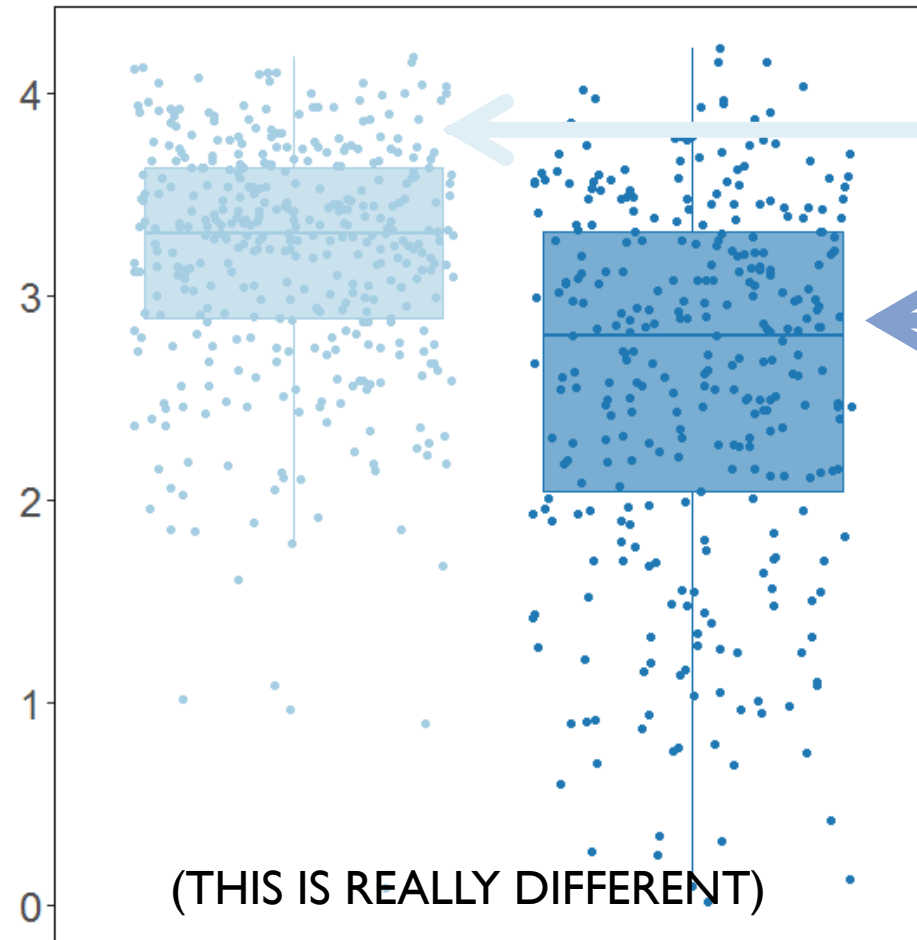


NO FEEL-
GOOD-DROPS

AFTER FEEL-
GOOD-DROPS

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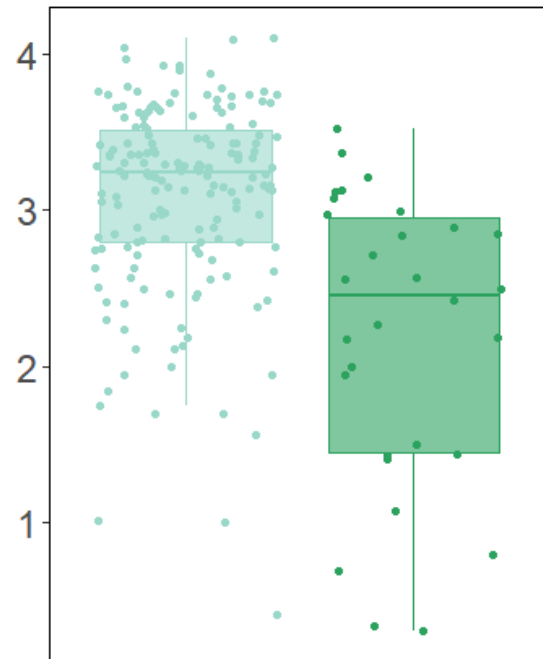


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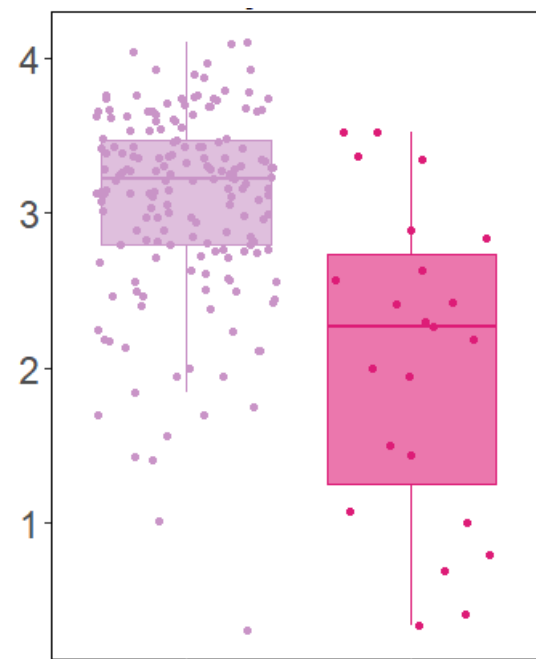
AFTER FEEL-
GOOD-DROPS

DIFFERENT FEEL-GOOD-DROPS KILL TINY THINGS DIFFERENTLY

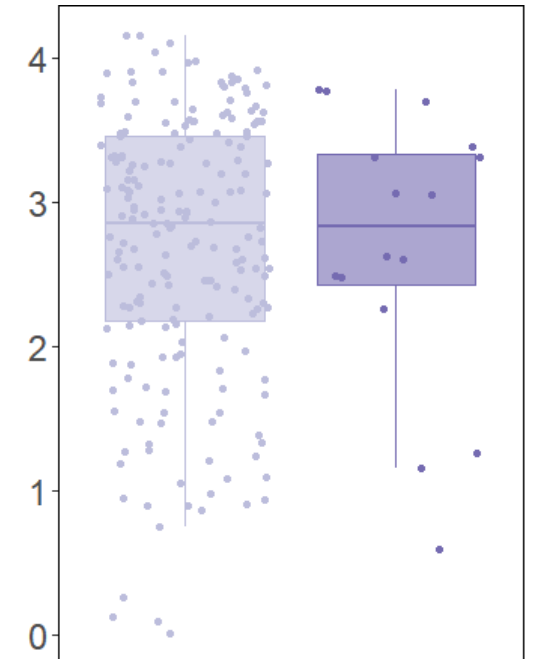
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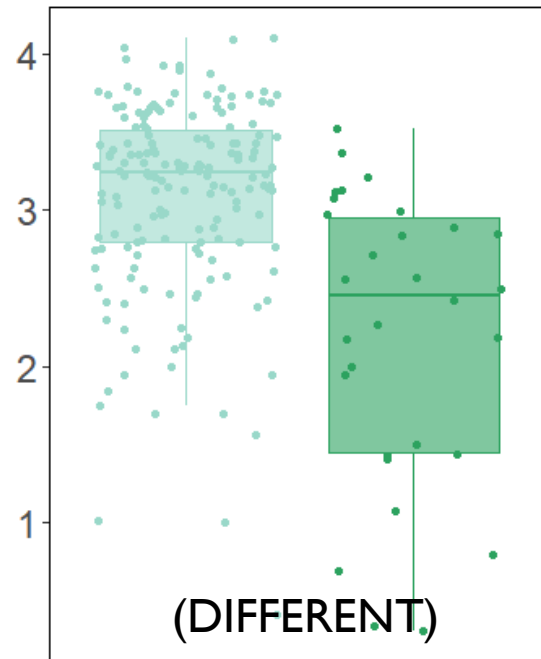


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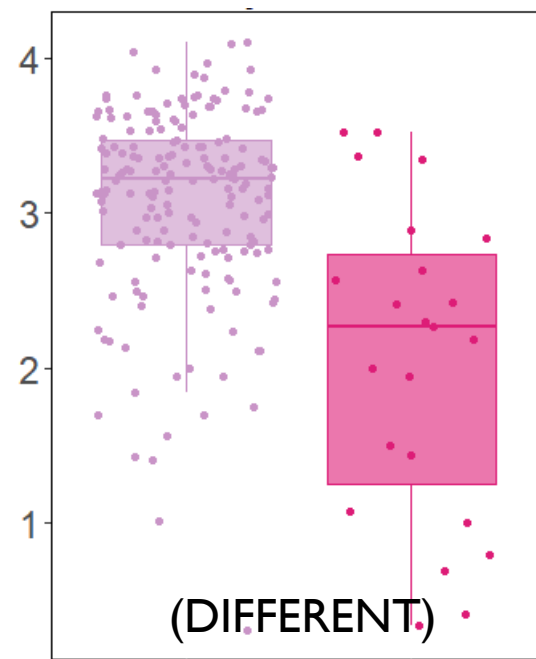


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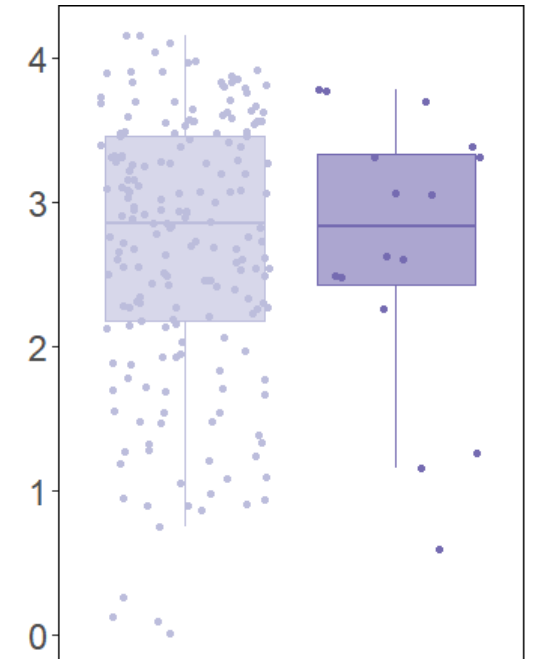
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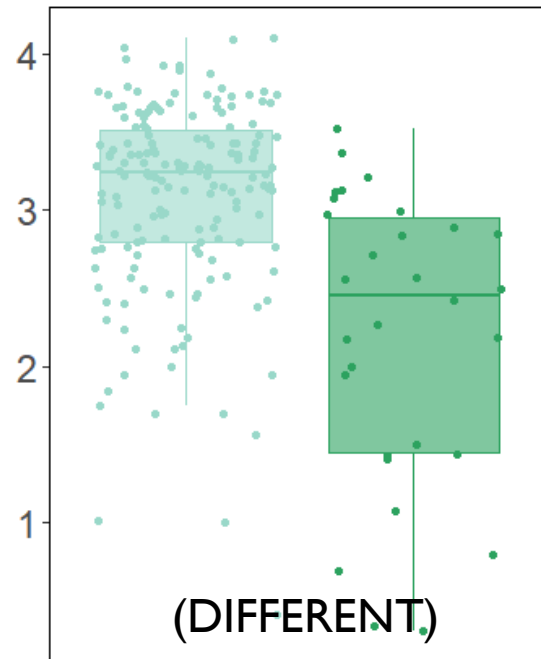


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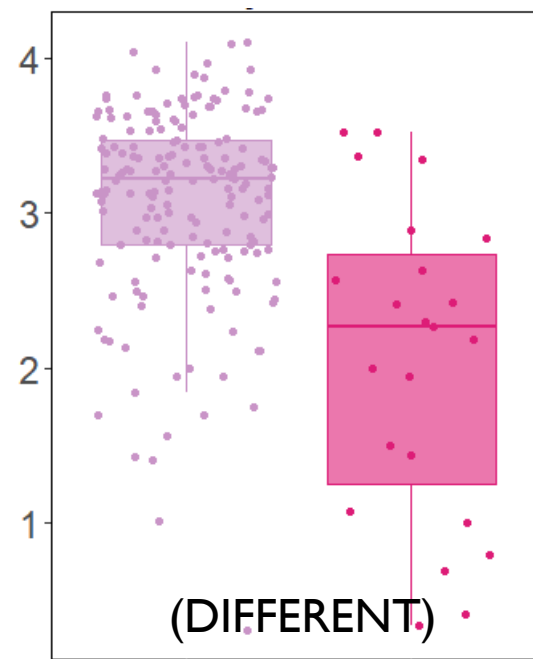


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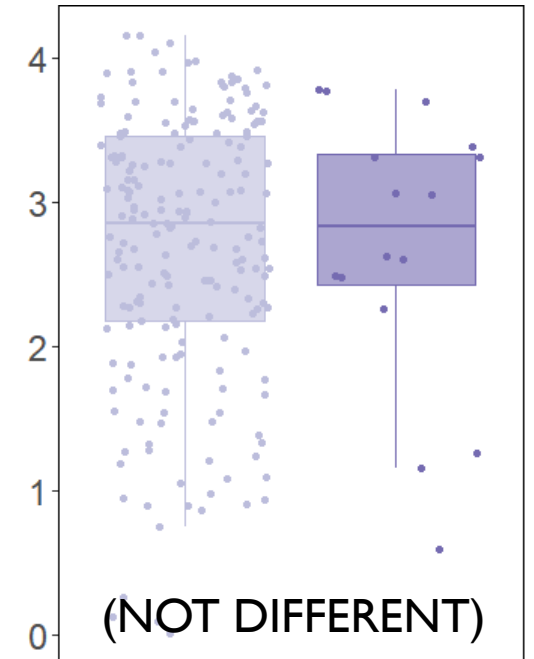
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PUTTING IT ALL TOGETHER

- What we found is important for how doctors deal with sick people, especially after they get new body parts
- Feel-good-drops doctors use to make people less sick can also hurt them
 - And it matters exactly which drops they use
- Doctors can use this to decide how many and which feel-good drops to use
- We hope that this study will help really sick people get better faster and stay better for a long time

THANKS-GIVING

- Everyone who worked on this study
- People who gave us money to do this study
- Everyone who I work with every day
- **The people who gave us their shit even though they had already been through a lot**

