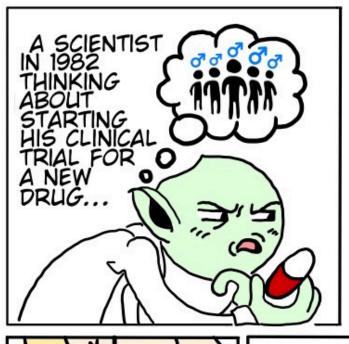
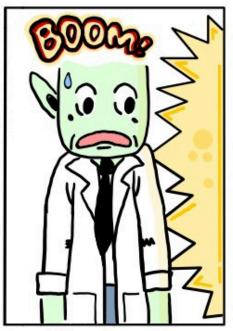
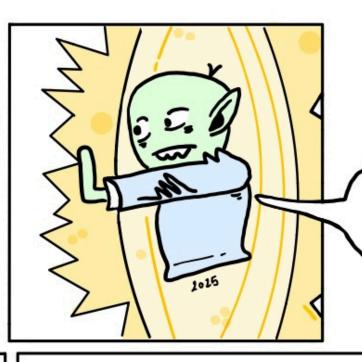
BLOWING UP PHARMANGOLOGY







YOU MUST PAY ATTENTION TO PHARMACOKINETIC DIFFERENCES. I'LL EXPLAIN SOME OF THEM TO

WAIT! I COME FROM THE FUTURE. YOU CAN'T FORGET THAT THE SAME DRUG CAN ACT DIFFERENTLY IN MEN AND WOMEN.



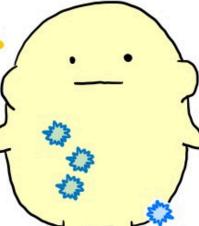
WE MUST CONSIDER THAT WOMEN USUALLY HAVE A SLOWER GASTRIC EMPTYING, WHICH AFFECTS THE RELEASE SPEED, AND A HIGHER ACIDITY LEVEL, WHICH CAN MODIFY THE DRUG'S SOLUBILITY

THIS CAUSES LIPOPHILIC DRUGS TO BE STORED MORE IN FAT

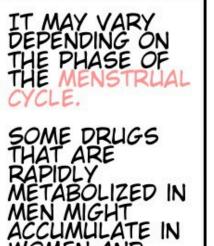
1.LIBERATION

THESE DIFFERENCES MAY CAUSE SOME DRUGS TO LAST LONGER IN WOMEN'S BODIES OR HAVE MORE INTENSE OR PROLONGED EFFECTS

WOMEN HAVE A HIGHER PERCENTAGE OF ADIPOS TISSUE COMPARED TO MEN.



2.ABSORPTION



WOMEN HAVE

CYP3A4 AND CYP2D6, WHICH CAN LEAD TO

METABOLISM

HIGHER ACTIVITY IN

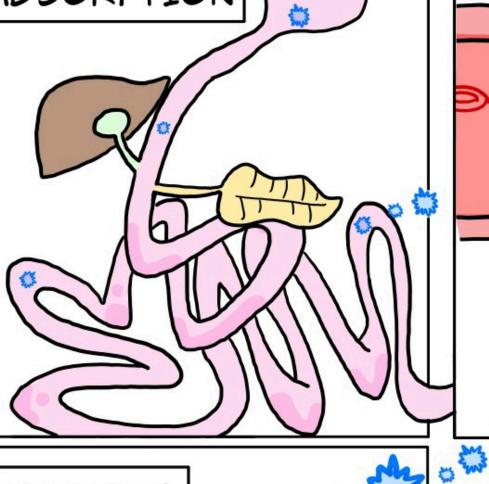
CERTAIN

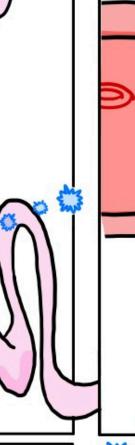
ENZYMES,

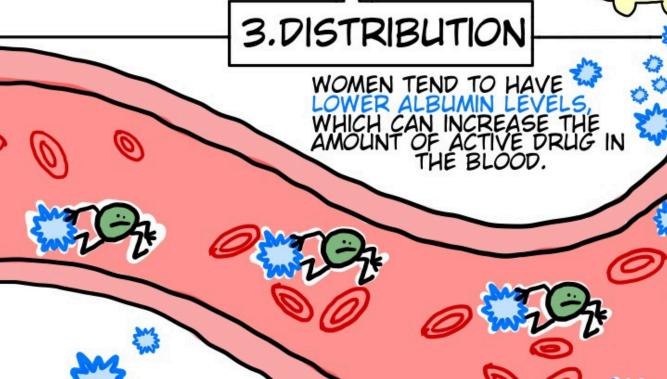
SUCH AS

OF SOME DRUGS.

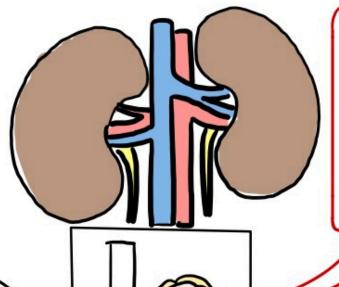
WOMEN AND CAUSE TOXIC EFFECTS IF DOSES ARE NOT PROPERLY ADJUSTED.







4.METABOLISM WOMEN GENERALLY HAVE A SLIGHTLY (GFR) THAN MEN DUE TO LOWER MUSCLE MASS AND THEREFORE LESS CREATININE IN THE BLOOD.

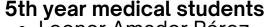


URINARY PH MAY BE SLIGHTLY MORE ACID, WHICH ALSO AFFECTS THE ELIMINATION OF SOME DRUGS

5.EXCRETION



AS YOU HAVE SEEN, PHARMACOKINETIC DIFFERENCES BETWEEN MEN AND WOMEN AFFECT THE LADME PROCESSES, WHICH CAN IMPACT THEIR EFFICACY AND SAFETY.
THIS IS WHY A CLINICAL TRIAL THAT REFLECTS THE ACTUAL POPULATION IS OF VITAL IMPORTANCE. THESE VARIATIONS REQUIRE DOSE ADJUSTMENTS AND ATTENTION TO POTENTIAL ADVERSE EFFECTS SINCE SOME DRUGS MAY REMAIN EFFECTIVE FOR LONGER IN WOMEN AND EVEN CAUSE TOXIC EFFECTS THAT DO NOT OCCUR IN MEN. A PERSONALIZED TREATMENT APPROACH OPTIMIZES CLINICAL OUTCOMES AND MINIMIZES RISKS.



- Leonor Amador Pérez
- Marina Gamero Martínez





