

# GUCOSE TRANSPORT

## OVERVIEW

### ACTIVE

STRAIGHT WITH Na<sup>+</sup> SGLT P

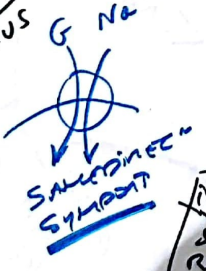
### SUPPORT

Na-G

SECONDARY SGLT TRANSPORT

LEPIT & BB SHAM INT (PCT KIDNEY)

USUAL PREUS



INS CANAD SOME G TO REUNIT FROM IC STORE

CLIN APP: G TRANSP IN DM

### SENSITIVE VIA GUT 4

INSENSITIVE VIA GUT 1243

CLIN G TRANSP IN VARIOUS TIS

### ROLE

Most GINS DEP

MEDIATED BY GUT PROTEINS

ROLE INHIBIT

PROLIFERASE FROM PANCREAS

1 DM ANABOLIC

2 DM COMPARTISON

CLIN APP G TRANSP & INS SENS

### FACILITATED

BY GUT PROTEINS

ROLE INHIBIT

PROLIFERASE FROM PANCREAS

1 DM ANABOLIC

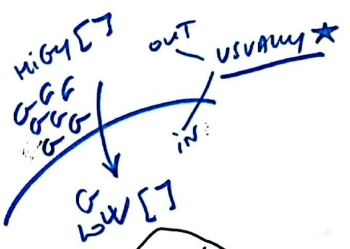
2 DM COMPARTISON

CLIN APP G TRANSP & INS SENS

### MECHANISM

TIS DISTRIBUTION OF TRANSPORTERS

THROUGH PMS



THROUGH PMS

THROUGH PMS

THROUGH PMS

THROUGH PMS

THROUGH PMS

THROUGH PMS

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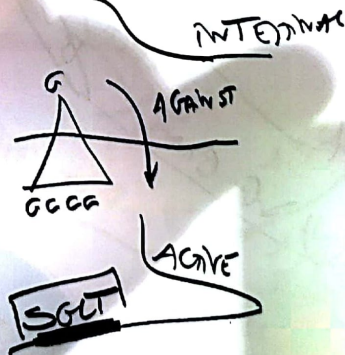
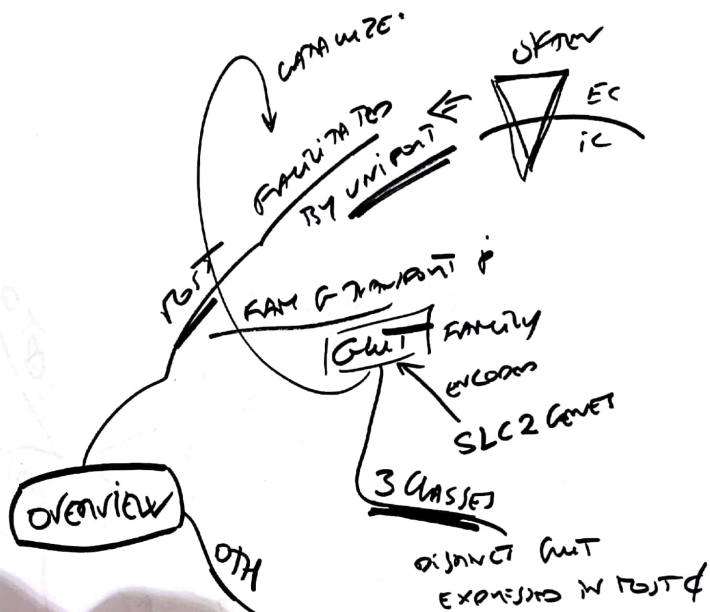
THROUGH PMS

THROUGH PMS

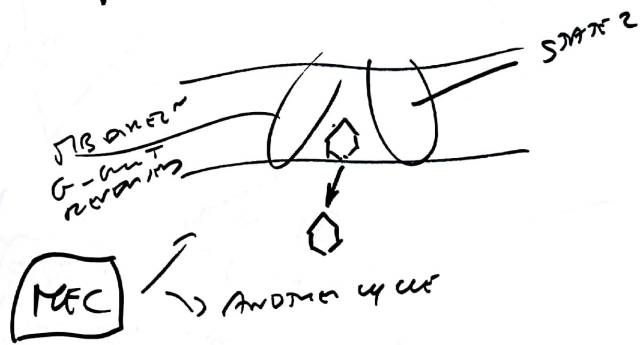
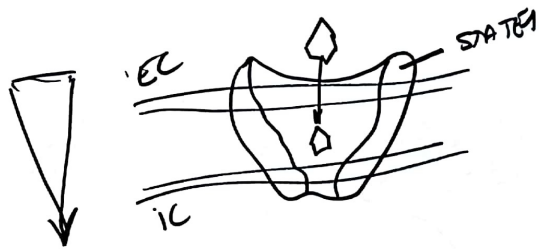
CLIN APP ORAL therapy THEN BASED ON

CLIN APP: G-NA G TRANSP IN KIDNEY, IMPAIRMENT IN DIAB II

FROM INT W/LOW TO ISB SMOKE

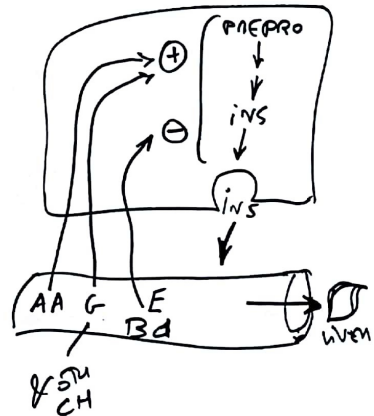






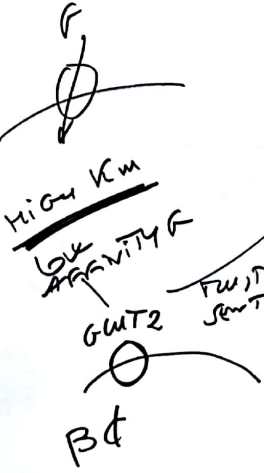
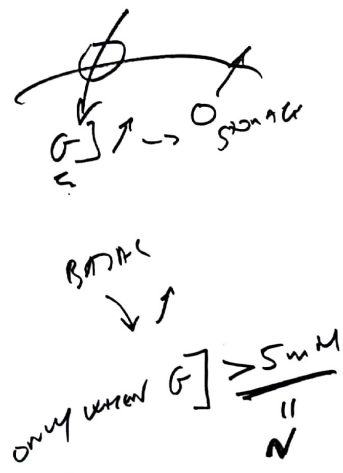


REG INS RELEASE FROM PANc β4



**ROLE INSULIN**

CELL APP: GT & INS SEC



ONE ROW IMP  
N R3  
INTRAHE  
TRANSPORT  
G  
GENERIC  
DTYPES

COORDINATE  
USE IS  
BY REG FOR  
N MET

ADM

ANALOGUE

AUTIMM

BULANK CH  
SOLID  
FAT

	DEFECT	III
1	<del>INS</del>	INS
2	INS RESISTANCE	DIET EXEM <u>OHA</u> INS PLAN ON MAX NEC

GHP

GNSS<sup>CH</sup> → INS REMAIN FROM B

INS MANY RESINA\*

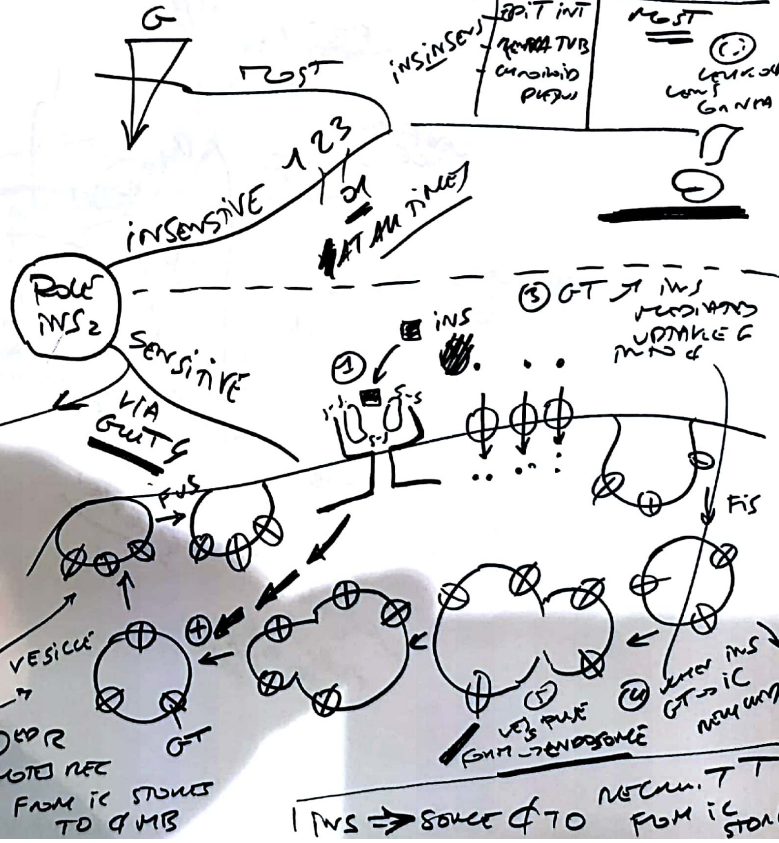
PLURAL A NATURE  
VIMING  
ROLE IN G UTILIZAN  
WHEN AT STIMULATION  
BY SENSIT CROSS

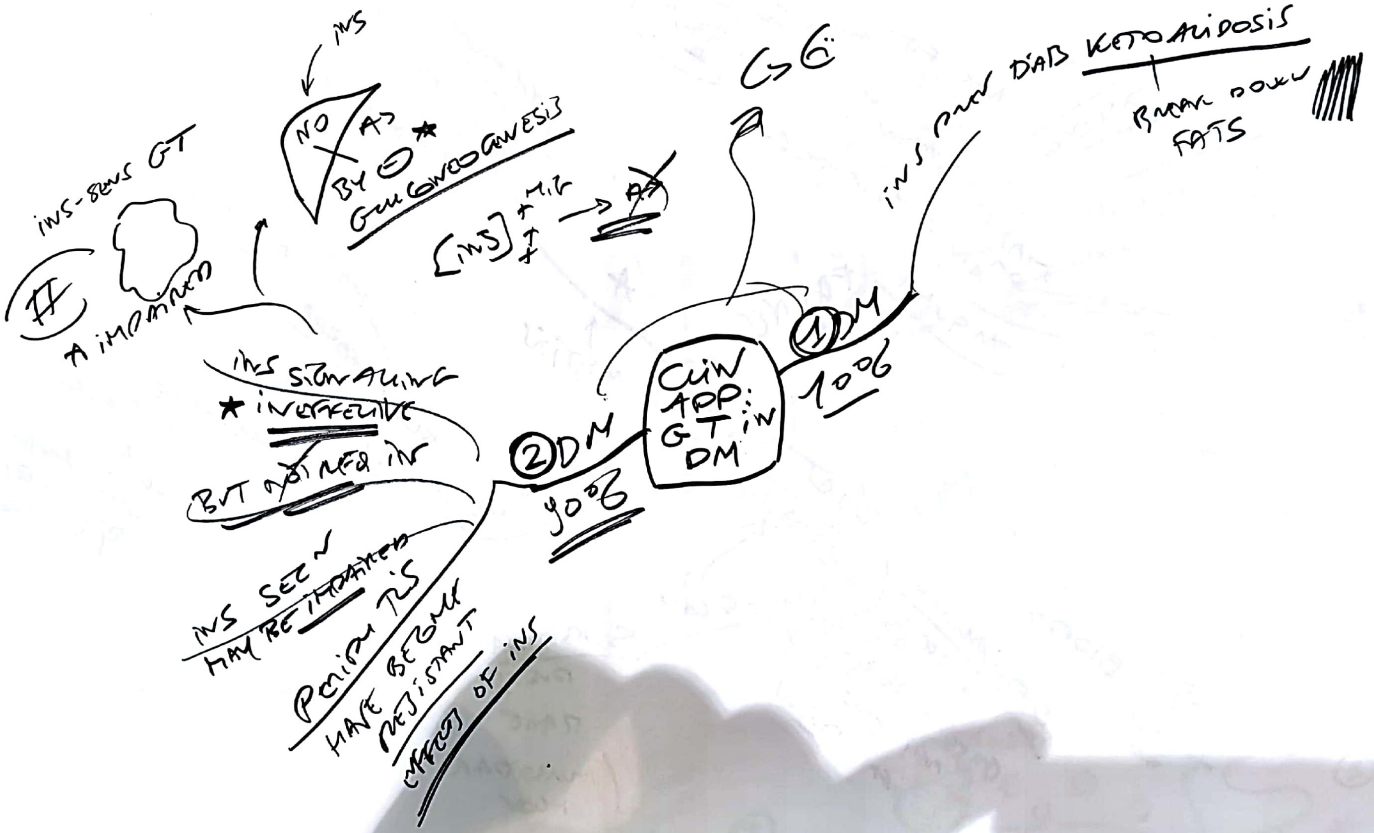
ONLY  
AT CERTAIN  
TIMES

\* IN GUT  
INDUCES GUT → SMO  
FROM EXON LIFE - SENSITIVE  
VESICLES  
EMERGING

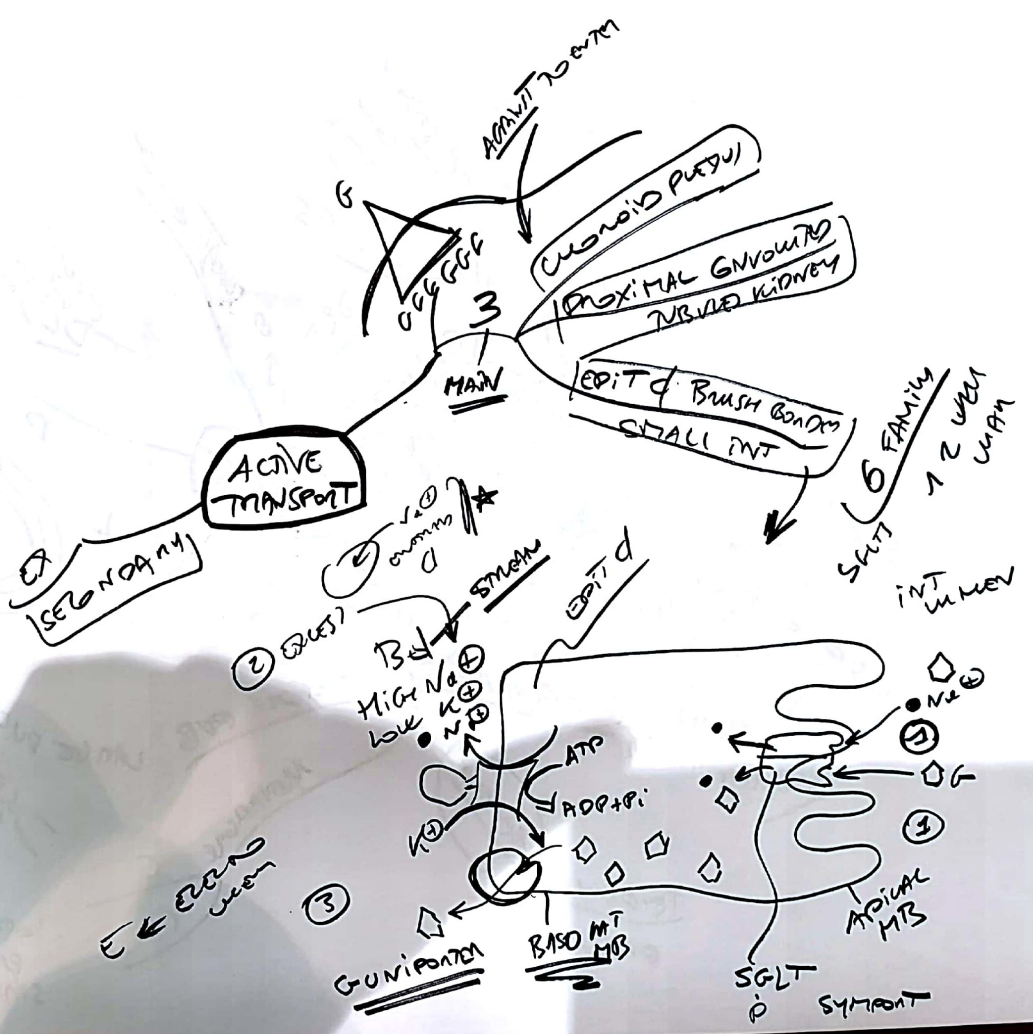
BOUND  
COLOR  
INACTIVE

NY GUT & insided



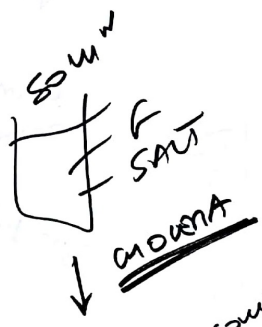






1960 CHANGE ↓

CAN APP  
ORAL REHYDRATION  
THERAPY  
BASED ON  
G-NAGTANUSP

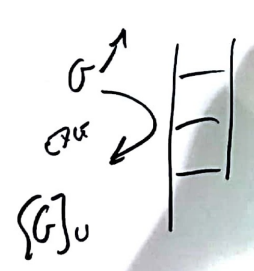


→ ABS SOURCE  
& H<sub>2</sub>O  
& GENTIAN BARK  
OR H<sub>2</sub>O & CELLULOSE

1980s

SEVERAL  $\downarrow$  REABSORBING  $\uparrow$  WITH  $G_{II}$  FROM MOBILE ZDM

$\ominus$  SGLT2 ZDM



CLIN APP:  
G-Na GT IN  
KIDNEY  
INDICATED IN  
DIABETES III

SGLT2  
30% of PT REABSORPT  
DIABE

