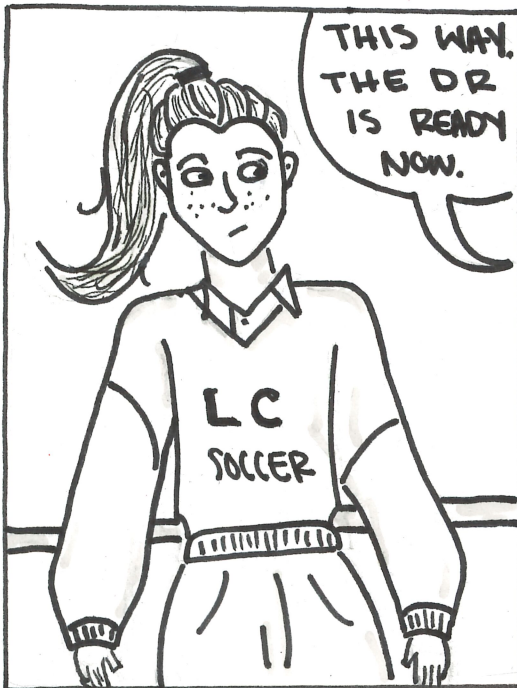


BROKEN RECORD

by
CARA PEARSON



IRONICALLY IT WAS A TRIP TO THE NEUROLOGIST THAT STARTED ME ON THIS PATH.



PATIENT: CARA
AGE: 18

LABS	IMAGING	CONSULTS
<u>TEST</u>		<u>VALUE</u>
Total Cholesterol		275 ! HIGH
LDLc		220 ! HIGH
HDL		40

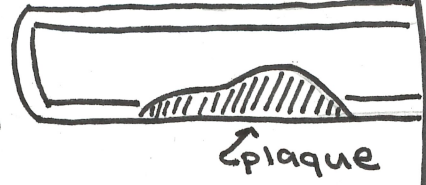


DR. MIKE WAS A GREAT TEACHER.



ATHEROSCLEROSIS

- BUILD-UP OF FAT & CHOLESTEROL IN VESSEL WALLS
- RISK FACTORS: UNHEALTHY DIET, OBESITY, HIGH CHOLESTEROL
- COMPLICATIONS: HEART ATTACK, STROKE, KIDNEY DISEASE



CHOLESTEROL

HDL HIGH-DENSITY LIPOPROTEIN
 - AKA "GOOD" CHOLESTEROL
 - ABSORBS + RECYCLES OTHER CHOLESTEROL

LDL LOW-DENSITY LIPOPROTEIN
 - AKA "BAD" CHOLESTEROL
 - MAKES UP MOST OF BODY'S CHOLESTEROL
 - INCREASED LDL INCREASES RISK OF HEART ATTACK + STROKE

Lp(a) LIPOPROTEIN (a)
 - GENETICALLY INHERITED
 - HIGH LEVELS INCREASE RISK OF HEART DISEASE

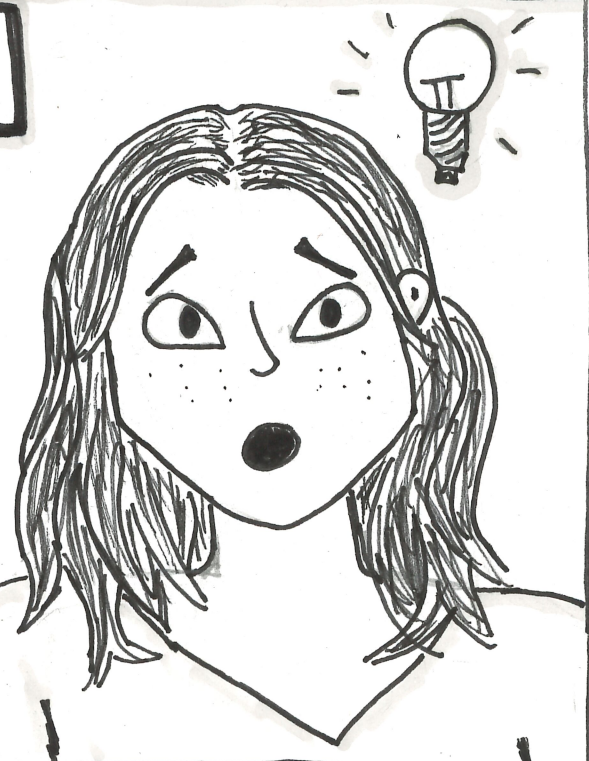
HYPERLIPIDEMIA, DISORDERS

→ HIGH CHOLESTEROL

TYPE	DISORDER	CAUSE	ABNORMALITY
I			↑ Chylomicrons
IIa	FAMILIAL HYPERCHOLESTEROLEMIA	GENETIC	↑↑ LDL
IIb			↑ LDL
III			↑ IDL
IV			↑ VLDL
V			↑ VLDL / LDL

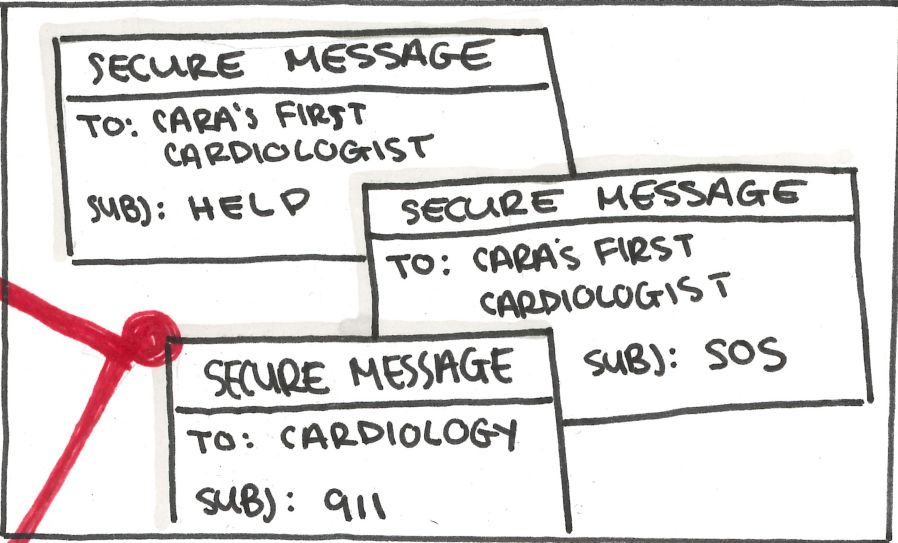
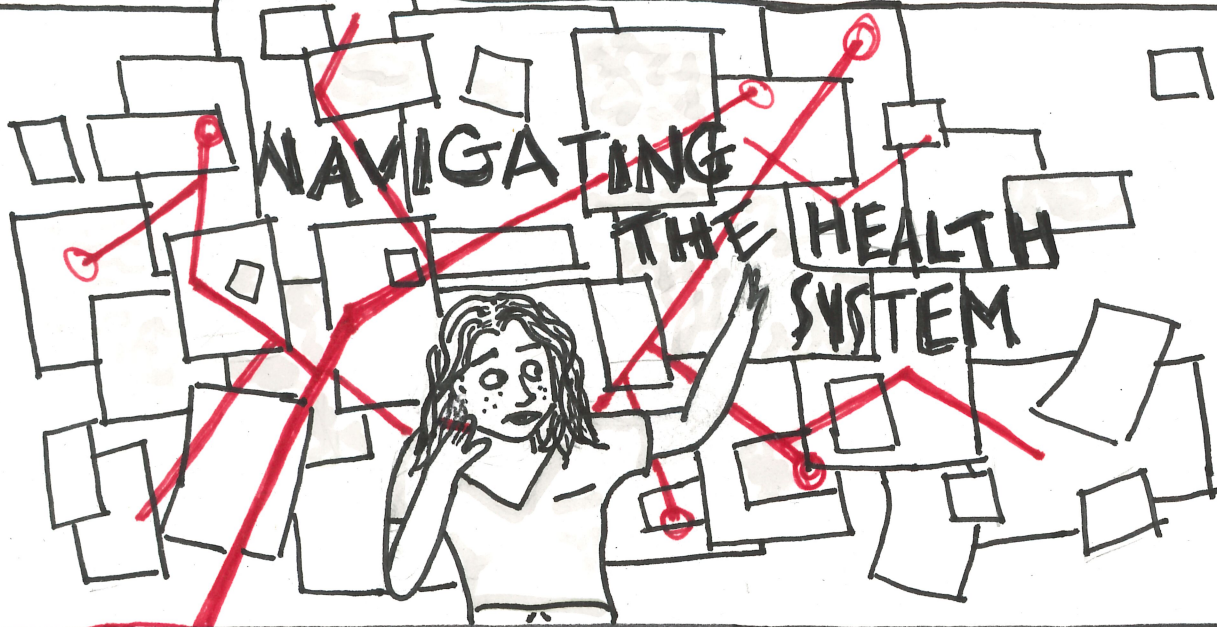
SUSPICIOUS FOR FAMILIAL HYPERCHOLESTEROLEMIA (FH)

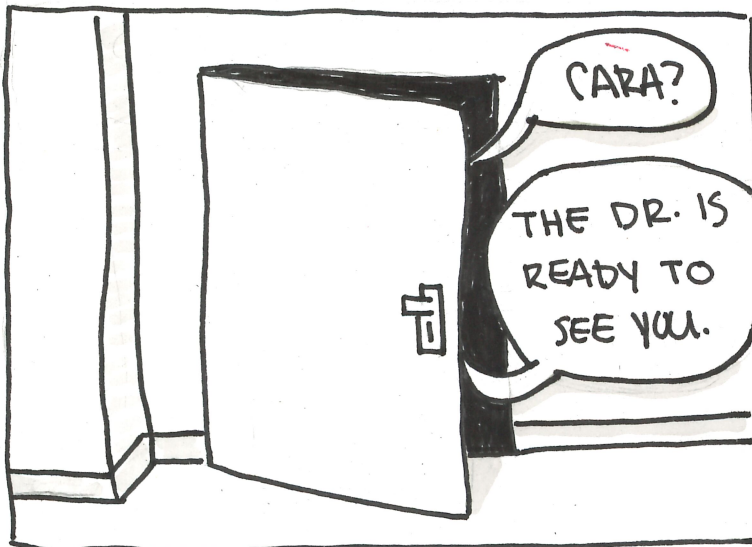
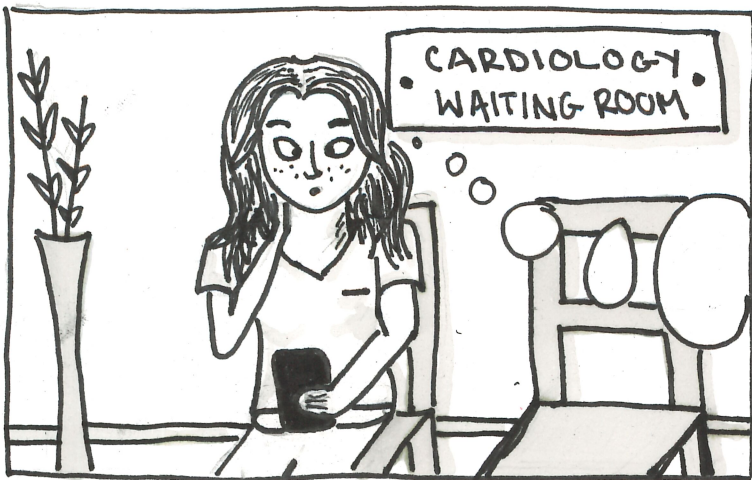
- ① <20 year-old with LDL >160 or non-HDL >190
- ② >20 years-old with LDL >190 or non-HDL >220
- ③ FH in a family member or total cholesterol >240 in either parent



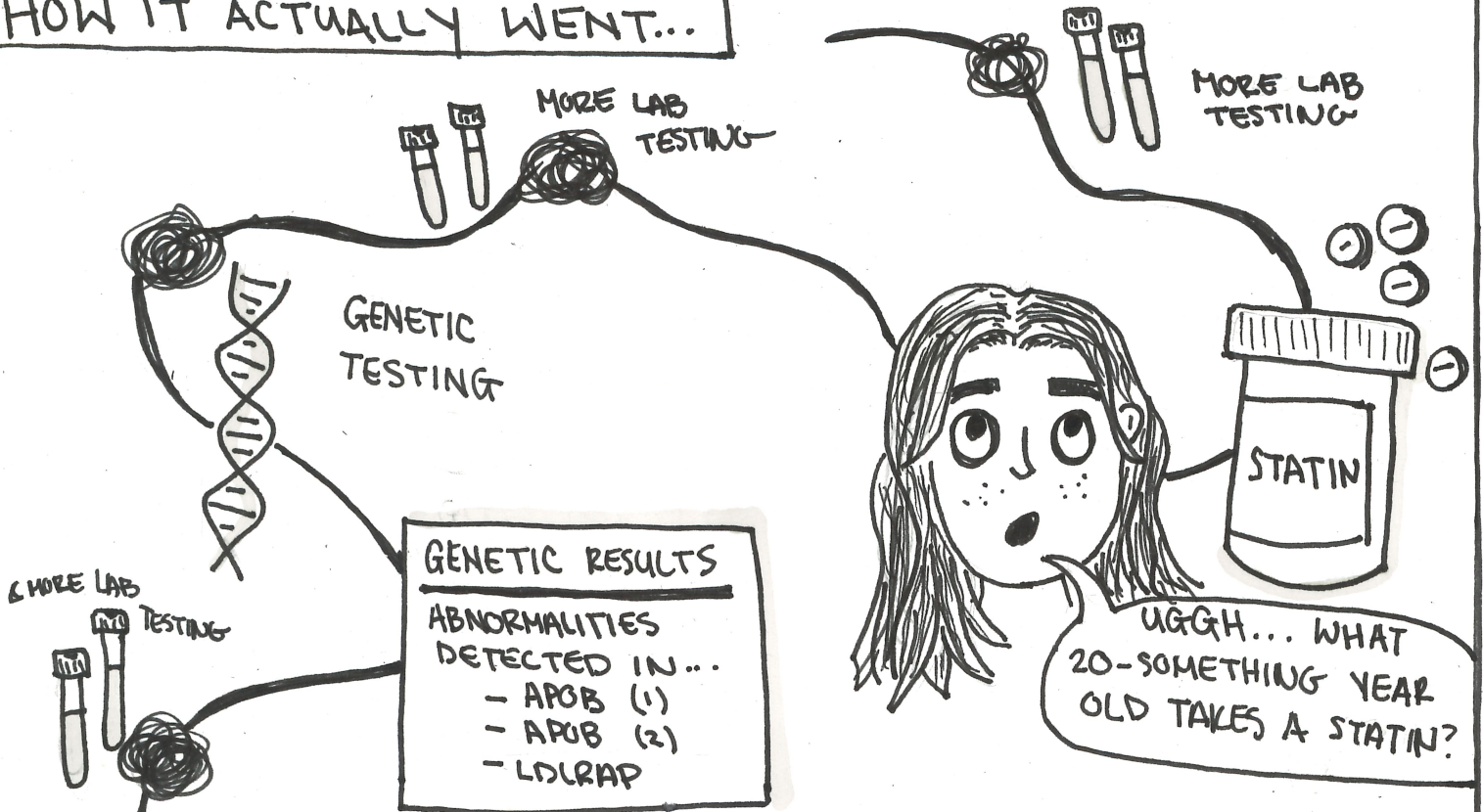
THAT'S WHEN I REALIZED THERE MIGHT BE SOMETHING ELSE GOING ON WITH MY CHOLESTEROL.

AFTER THE REALIZATION, I STARTED TO FIGURE OUT WHAT TO DO NEXT...





HOW IT ACTUALLY WENT...



PATIENT: CARA
AGE: 25

LABS	IMAGING	CONSULTS
TEST	VALUE	
Lp(a)	>500 !!!	

THIS IS ONE OF THE HIGHEST Lp(a) I'VE SEEN...

I'VE ALWAYS WANTED TO BE THE BEST AT SOMETHING

I KNOW THIS MUST BE STRESSFUL DO YOU WANT TO TALK ABOUT NEXT STEPS?

YOU HAVE OPTIONS. THERE'S A NEW MEDICATION I THINK WOULD WORK WELL FOR YOU SPECIFICALLY. IT'S CALLED LEQVIO. OR WE CAN CONSIDER TRADITIONAL PCSK9 INHIBITORS, OR YOU MIGHT QUALIFY FOR SOME CLINICAL TRIALS.

LEQVIO
INCLISIRAN *

* PCSK9-targeting short interfering RNA (siRNA) that lowers LDL & Lp(a)

THROUGH THIS JOURNEY I HAVE SEEN IMPROVEMENTS & SETBACKS.
BUT DR. MIKE WAS THERE THE WHOLE TIME HELPING ME ADJUST COURSE.



HE SHOWED ME THAT ALL PATIENTS ARE DIFFERENT,
ALL PATIENTS NEED INDIVIDUALIZED CARE...

