

B psck4 inhibition by RNA silencing
Inclisiran itis asynthetic asmull interfering RNA
عنده في تركيب حزد اسمه ١٨٨٨ م) بها مدعلى تو حبهه إلى الكبر
-1t binds to RNA molecules involved in Producing pc3k9 and triggers their degredation and you will not get the PSCk9 enzyme hence you will get more LDL receptors because their is no lyzozomal degredation for them
JP(3k4 -> ) LDLR -> JPIUS ma LOL-C Levels
- both A and B have same turget but A by directly binding to the enzyme while B uses RNA interference
- No side effects, canbe combinate with statin
3 Apo (-III inhibitors
Aρυ(-III -> ΤΑΙ ροβ σοβ το Lρι ροβ.  Aρυ(-III inhib:tors -> help revarse Aρυ(-III affects
- dipoprotein dypase is enzyme break down TAGS, Apo (-111 Stop Spdfrom working -> NoTAGS break down will be high tryglycerones  So this Apo (-111 inhibiturs will help Spd
-The Idea of this drug -> It was found that loss-of-function mutations in the Apo3 gene are associated with 40% lower plasma Tolevels and 40% lower risk of (VD L> espacially if the cause by ULDL
ApoC-III inhibitor: Volanesoren
-it is an antisence Oligonucleotice A30 turgeting apol3 yene, it is asmall interference RNA like Inclisivar
- Used for patients with f(S and hypertriglyceridemia
- Adverse event, 8- thromboly to penia rare, small incidence
- Injection-Site reactions

ANGPTL3 cause —> JUPL JEL this will increase T	16, CDC-C and HOL-C plasma levels
inhibitors will preserve the function of LPL and EL and will be most significant in decreasing TGs	
LDL will not be affected	
therapies targeting ANGPTL3 were developed by two mechanisms:	
1. <b>Evinacumab</b> a monoclonal antibody neutralizing levels in the serum	
Side effect: It has an Influenza like effect was observed in 11%	
1. Vupanorsen an antisense oligonucleotide (an siRNA) inhibiting production in hepatocytes	
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