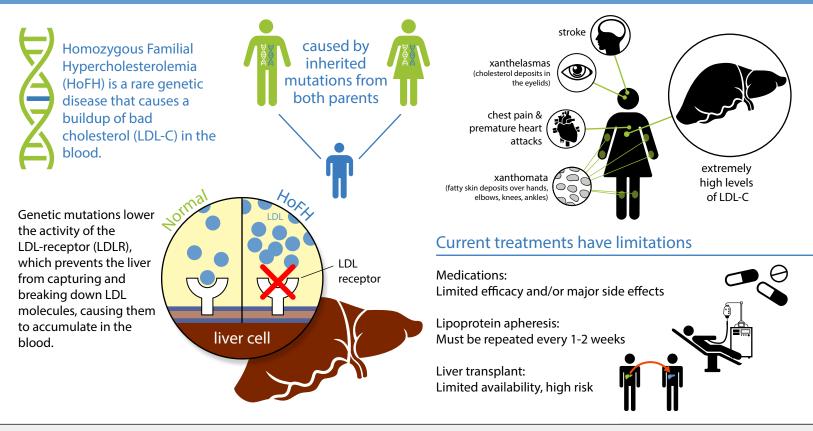
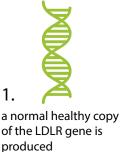
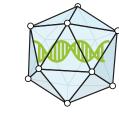
HoFH and the potential for gene therapy



MIGHT GENE THERAPY HELP HOFH PATIENTS?

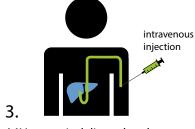
This promising new experimental therapy strives to overcome the patient's genetic mutation by delivering a healthy copy of the LDLR gene to the liver.



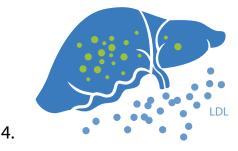


2.

gene is inserted into a harmless Adeno-Associated Virus (AAV) to create a viral vector



AAV vector is delivered to the patient's vein, sending it to the liver



liver cells (hepatocytes) take up vector and begin to express functional LDLR



functional LDLR can help remove excess LDL from the blood, lowering levels of bad cholesterol (LDL-C)

One-time treatment

gene therapy has the potential to last for many years

Safety first



gene therapy has proven relatively safe and effective in animal models of HoFH

What's next?



- the same vector has shown promise in patients with hemophilia
- early clinical trials will begin to test the safety of this promising new therapy in patients with HoFH



