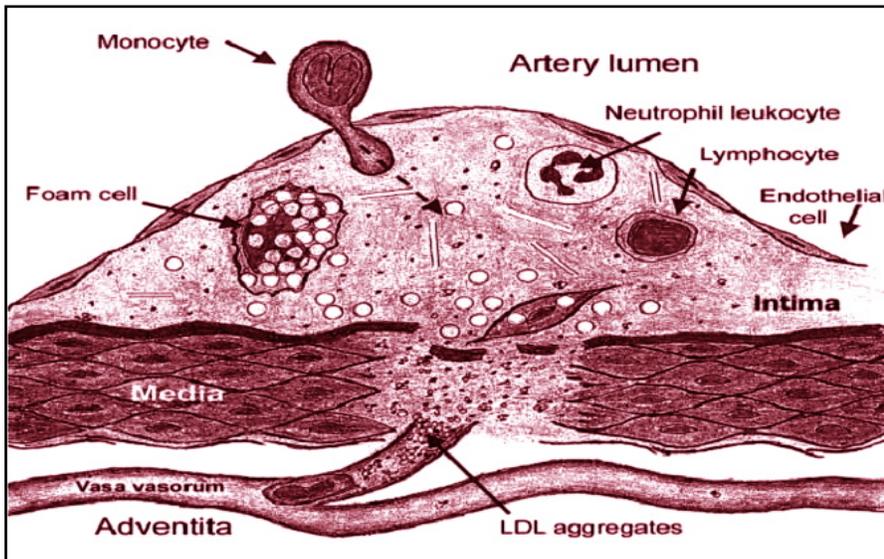


A Few Good Medicines

Propranolol Shrinks Plaques

“Rupture of Vulnerable Plaques is a Deadly Result of Cardiovascular Disease.”



Propranolol is a “beta blocker.” Beta-blockers lower the heart rate, the amount of blood the heart pumps out, and the force of the heartbeat, all of which lower blood pressure.

But Propranolol saves lives more because it stabilizes and even shrinks vulnerable plaques. Inflammation and formation of

new vessels in the plaques contribute to plaque growth, rupture or erosion, all of which potentially lead to death by heart attack or stroke.

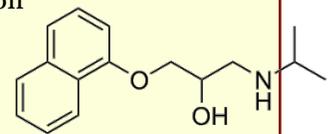
Beyond blood pressure control, Propranolol has anti-inflammatory and anti-new vessel effects. That’s a life saver.

Drug for Alzheimer’s?

More and more research shows that cardiovascular and Alzheimer’s disease share risks and might even be connected. 2014 research explains that AD patients have high numbers of brain “microinfarcts,” or localized areas of dead tissue due to loss of blood flow. More microinfarcts correlated to more cognitive decline.

Microinfarcts are essentially mini strokes. What causes strokes? One cause is the rupture of vulnerable plaques. What is one way to stabilize or reduce vulnerable plaques? Stop the formation

of new, abnormal vessels. The potentially good new for



propranolol

Alzheimer’s sufferers is that Propranolol appears to contribute to the stabilization and reduction of these plaques. Now you need an early diagnosis and treatment.

Propranolol Reduces “Abnormal” Vessels

A chance discovery by a French doctor created a new way to stop abnormal vessel growth. Christine Léauté-Labrèze, MD, of Children’s Hospital in Bordeaux, France had given the drug to a four-month-old infant and quickly observed a reduction of color and volume of the baby’s hemangioma (see image). A case report on these results appeared in the New England Journal of Medicine in 2008.



It should not be surprising that Propranolol is useful for many diseases involving abnormal vessel growth. It is used with chemotherapy to treat certain cancers that form abnormal vessels, and is also finding use for Macular Degeneration that involves abnormal vessel growth in the eye. Now we can picture why Propranolol reduces heart disease.