

Age Impacts the Response to Western Diet

3 months of Western Diet starting at 3 months of age



12 months of age



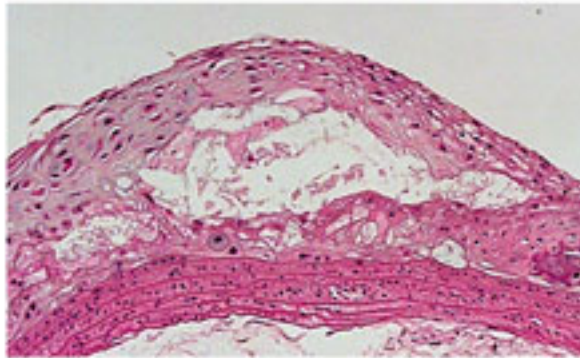
3 months of Western Diet starting at 12 months of age



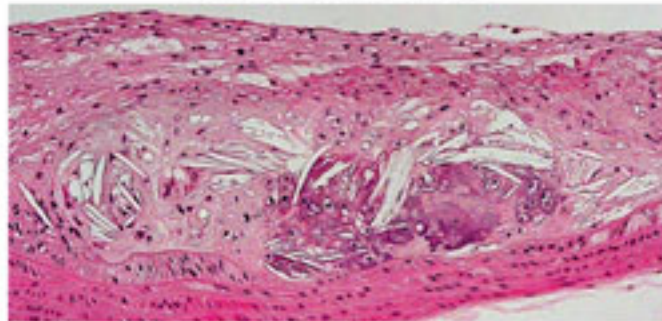
Regression of Advanced Plaques by Inhibiting the Renin Angiotensin System

Baseline Lesions

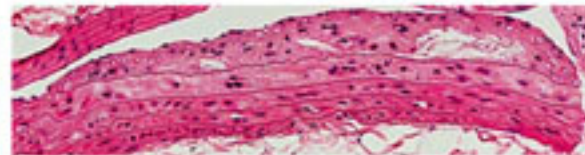
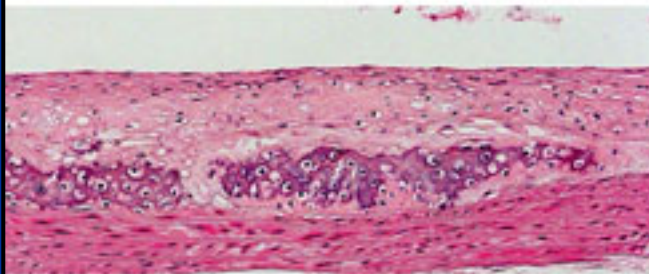
Necrotic Lipid Core



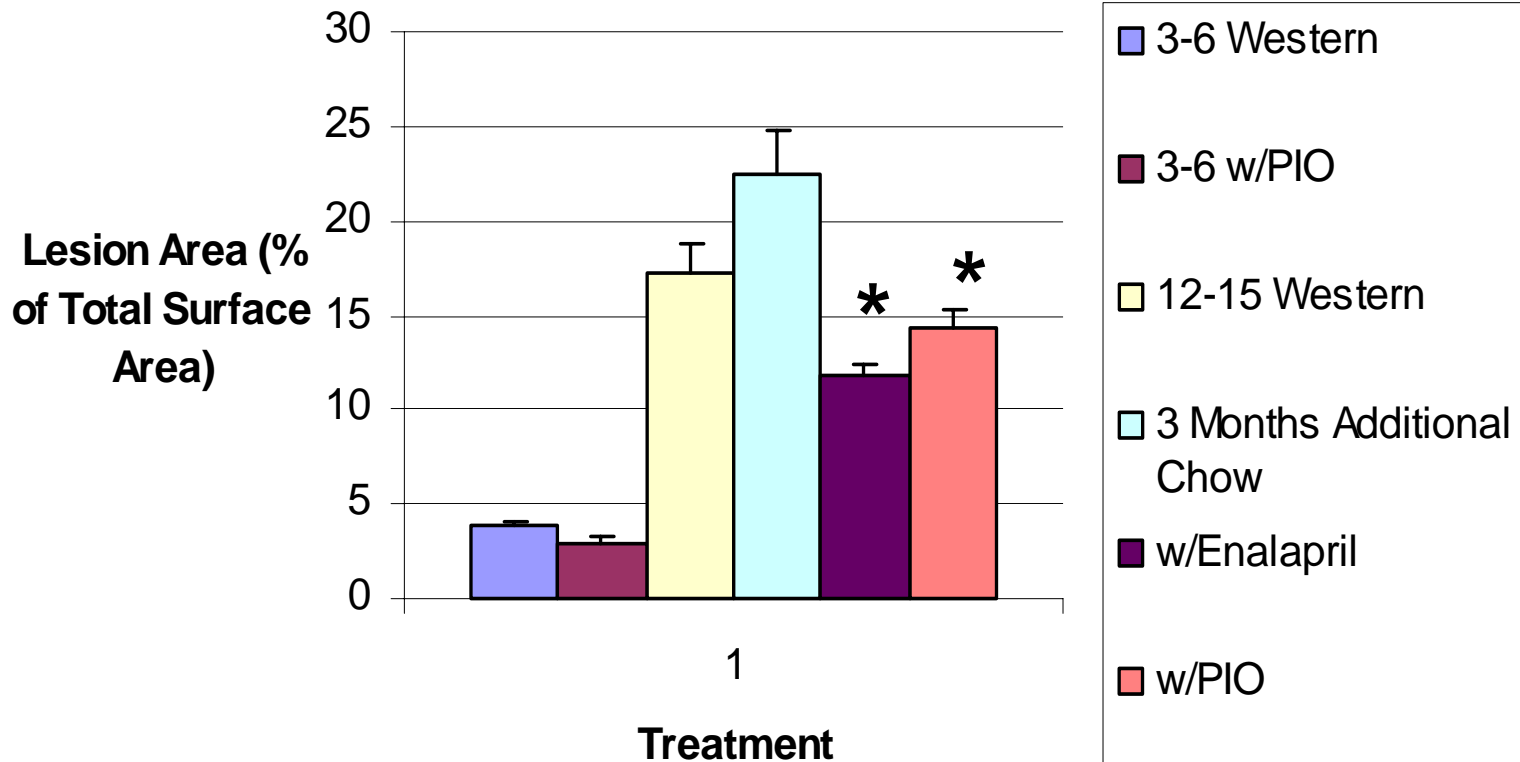
Cholesterol Clefts



Enalapril Treated



Quantitation of Atherosclerosis in Aged LDLR^{-/-} mice



* p<0.01 vs 3 months additional chow

Fasting Glucose and Insulin Effects at Baseline in Aged LDLR -/- Mice After High-fat Diet (3mos) and Normal Chow (3mos)

	Glucose (mg/dl)	Insulin (pg/ml)
Baseline	388 ± 30	2609 ± 354
Normal Chow for 3 mos following hi fat	225 ± 25*	608 ± 96*
Enalapril + normal chow	266 ± 20*	616 ± 89*
Pioglitazone + normal chow	255 ± 13*	775 ± 87*

*p < 0.05 compared to baseline

Blood Pressure and Cholesterol at Baseline in Aged LDLR -/- Mice After High-fat Diet (3mos) and Normal Chow (3mos)

	Blood Pressure (mmHg)	Total Cholesterol (mg/dl)
Baseline	101 ± 3	1928 ± 154
Normal Chow for 3 mos following hi fat	99 ± 4	304 ± 11*
Enalapril + normal chow	88 ± 4*	308 ± 15*
Pioglitazone + normal chow	103 ± 3	496 ± 23**+

*p < 0.05 compared to baseline

+p < 0.05 compared to normal chow