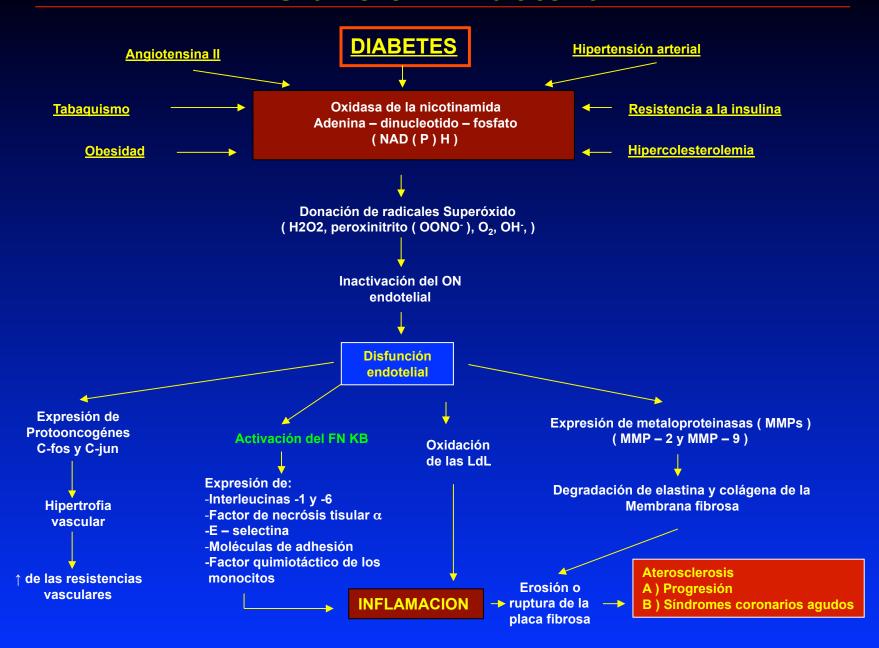
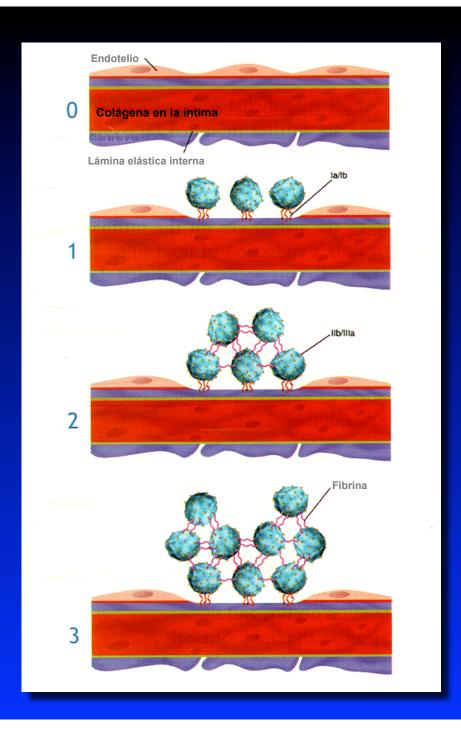


Disfunción Endotelial



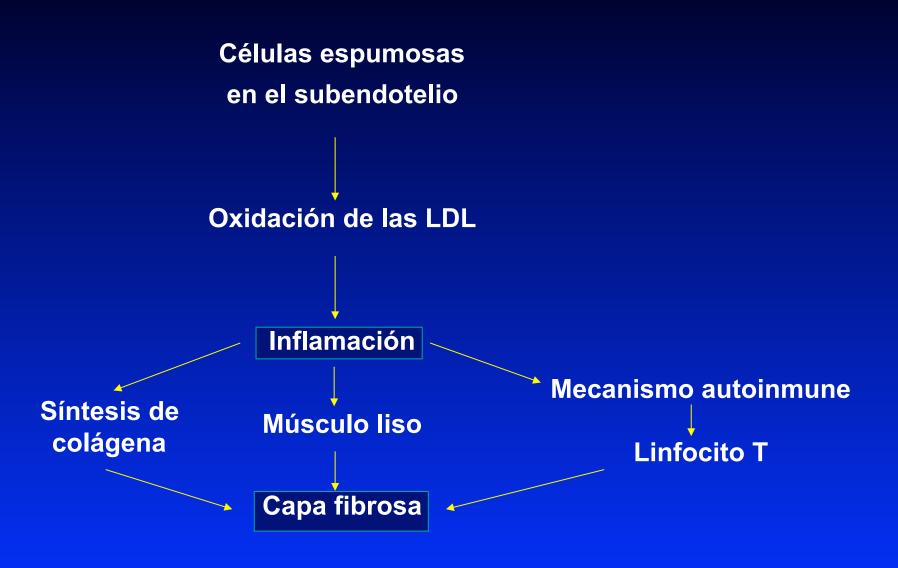
Respuesta a la Erosión Endotelial



Aterosclerosis I



Aterosclerosis II



Aterosclerosis III

↑ de colesterol



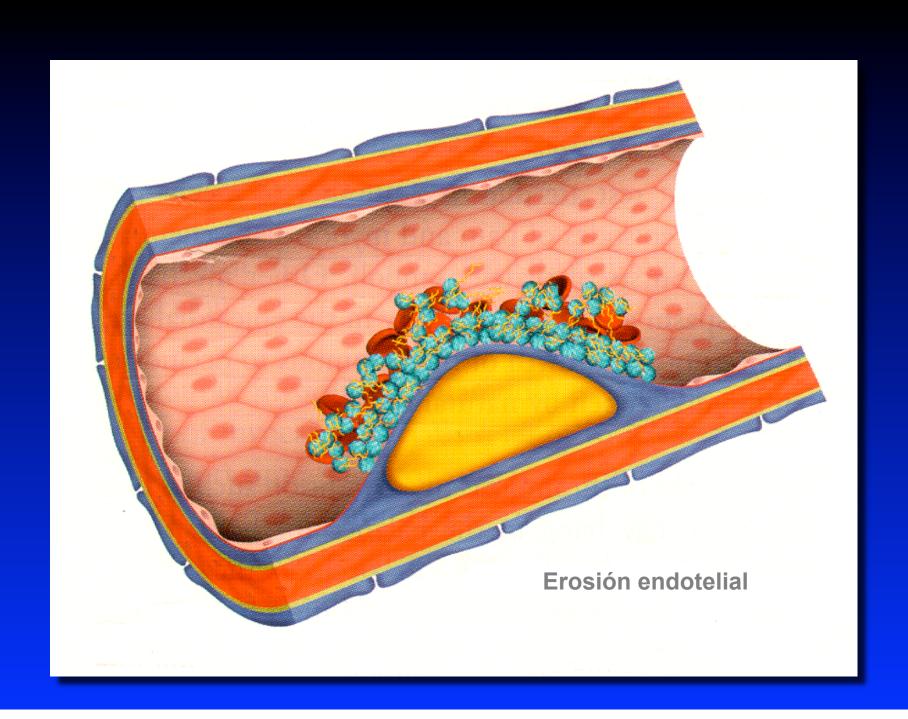
† de células espumosas

♦ ↑ de células músculo liso

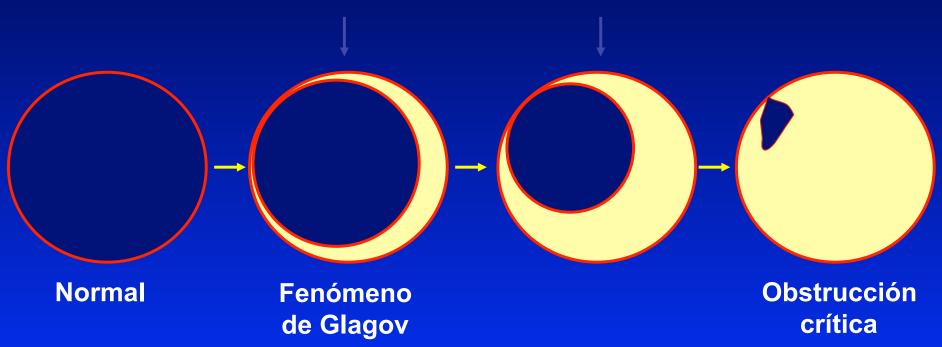
† de colágena

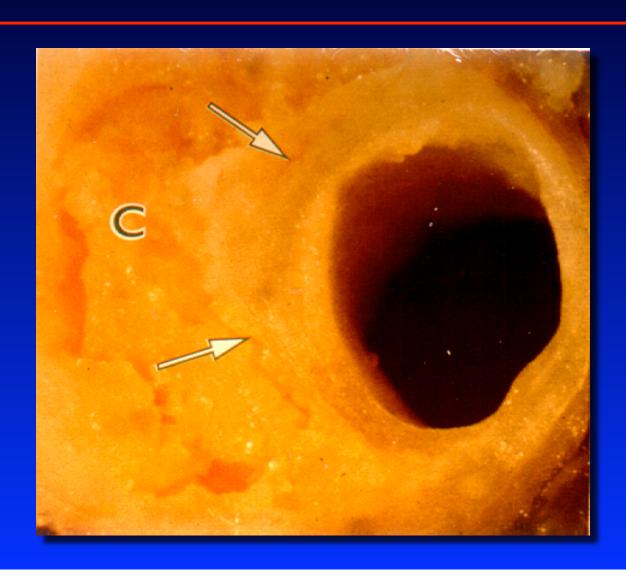


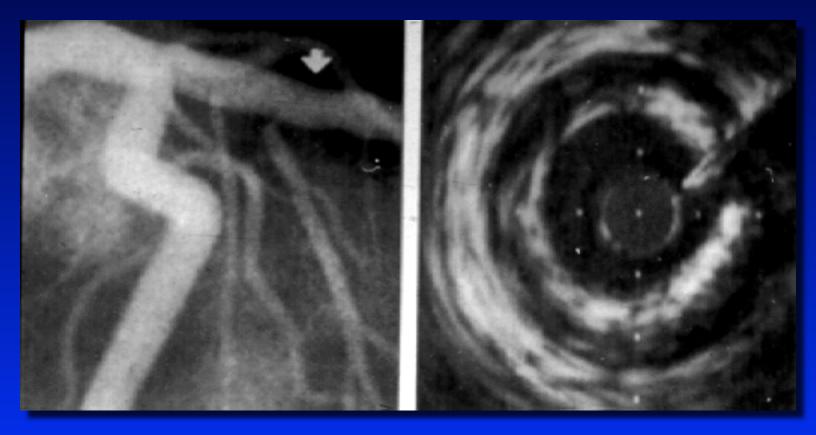
Capa Fibrosa



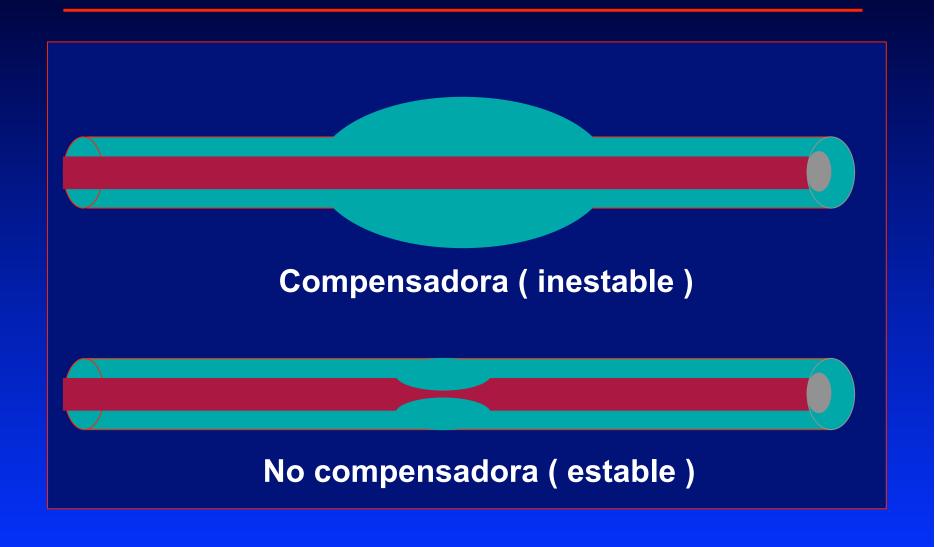


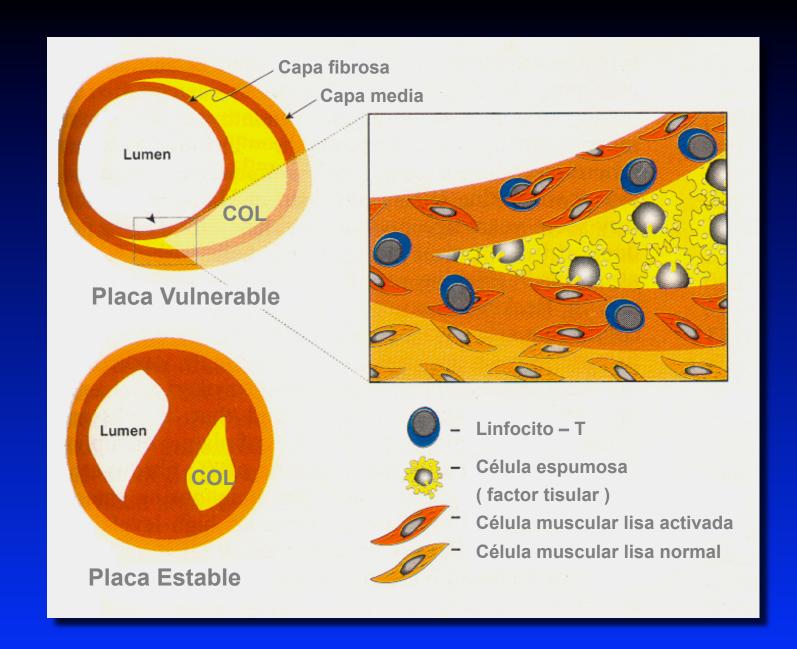




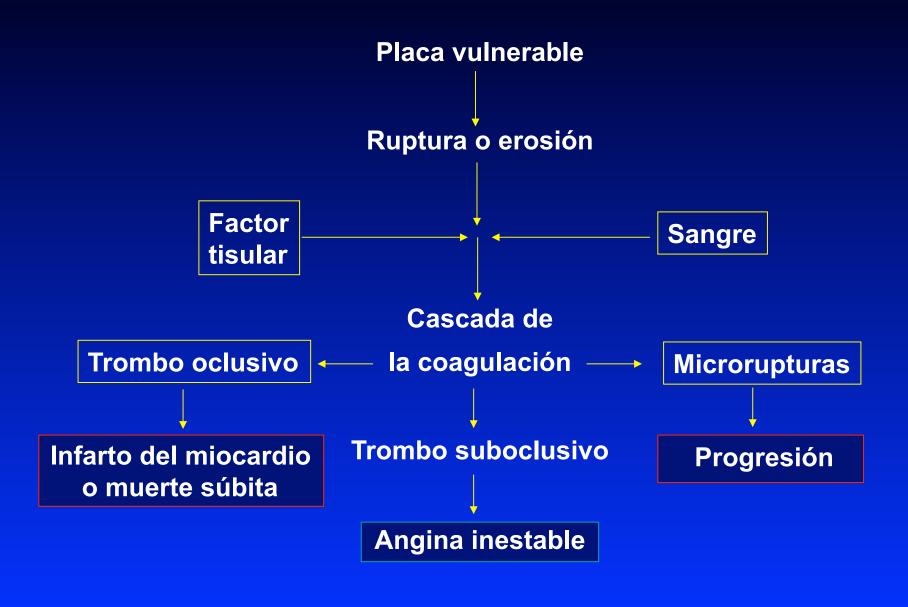


Fenómeno de Glagov

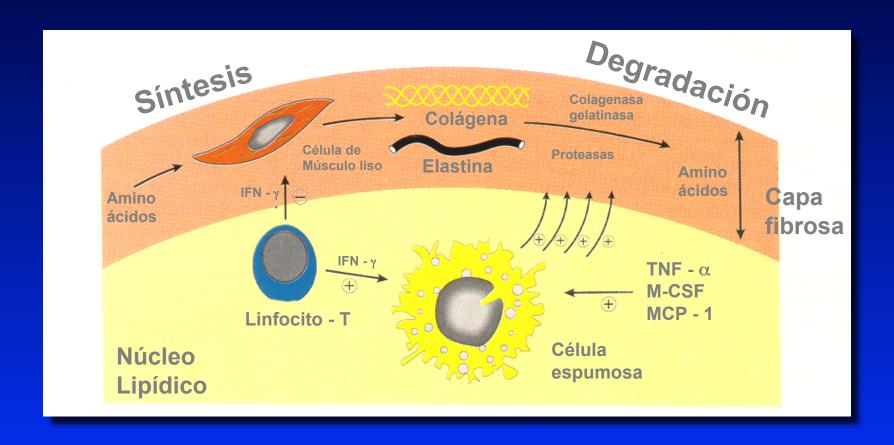




Aterosclerosis IV

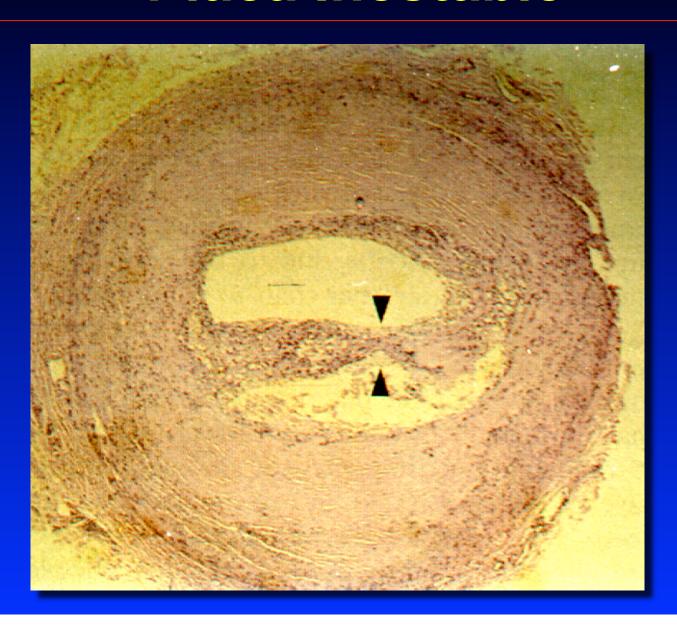


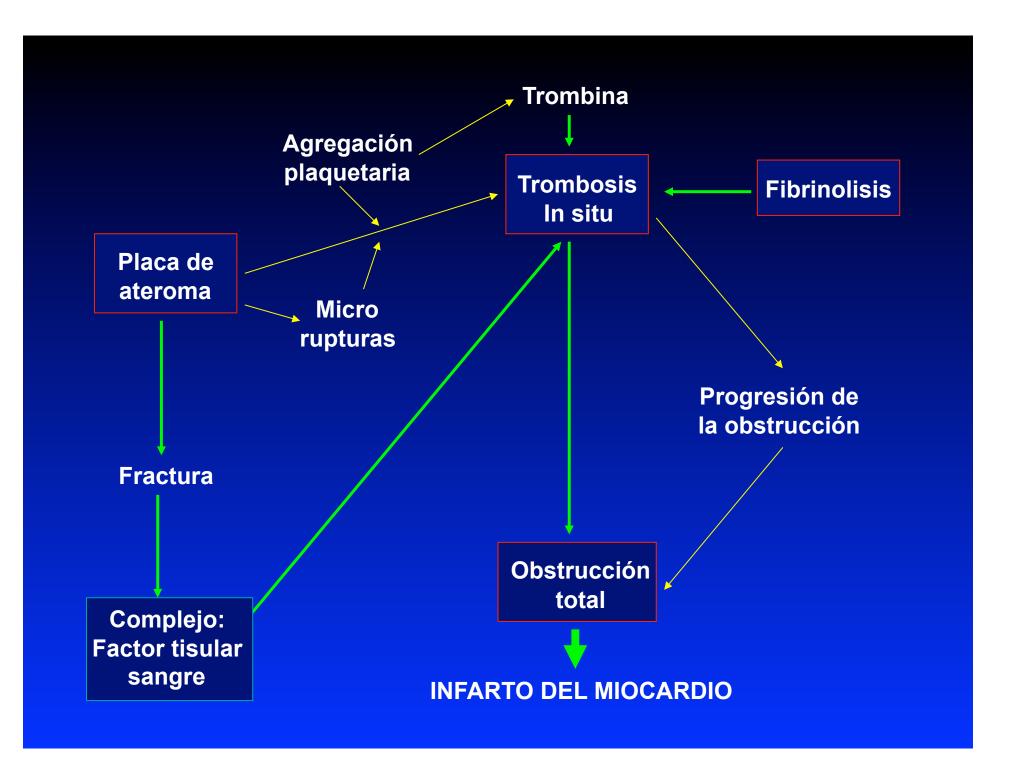
Fisiopatología de la Ruptura de la Placa



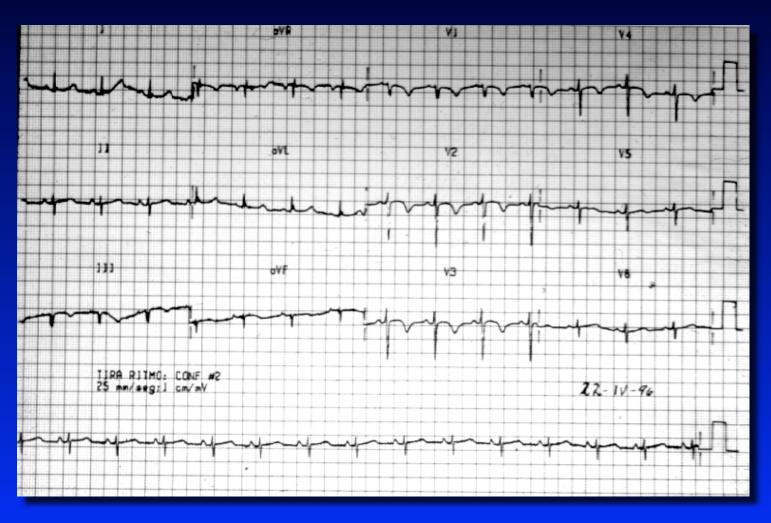
Circulation 1995;91:2844-2850

Placa Inestable

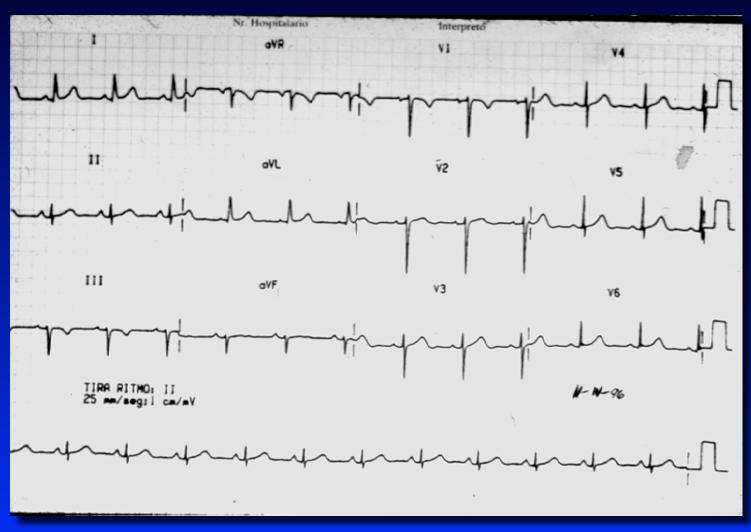




ECG en el Momento del Dolor



ECG Después del Ataque Anginoso



Síndromes Isquémicos Agudos

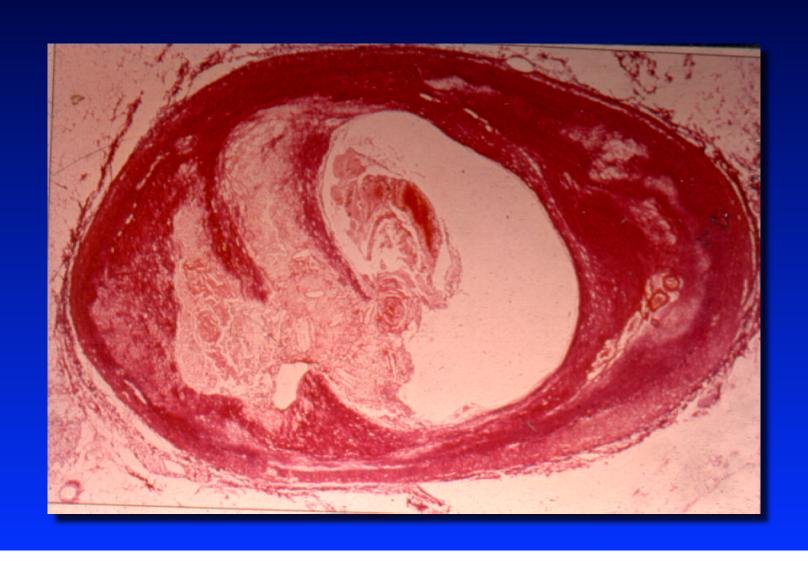


Angina inestable



6 días después

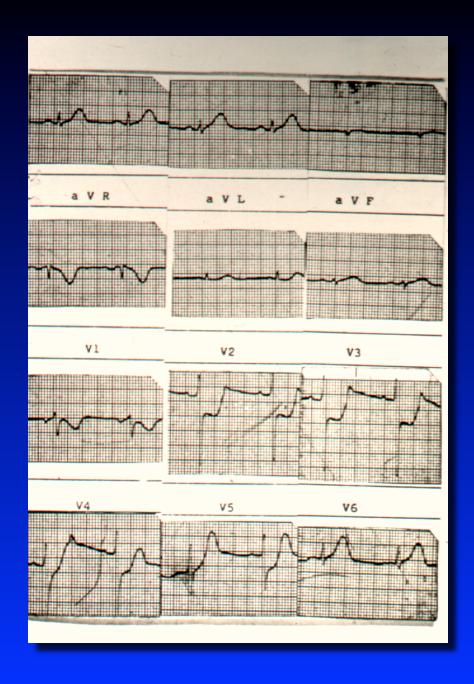
Ruptura de Placa Inestable



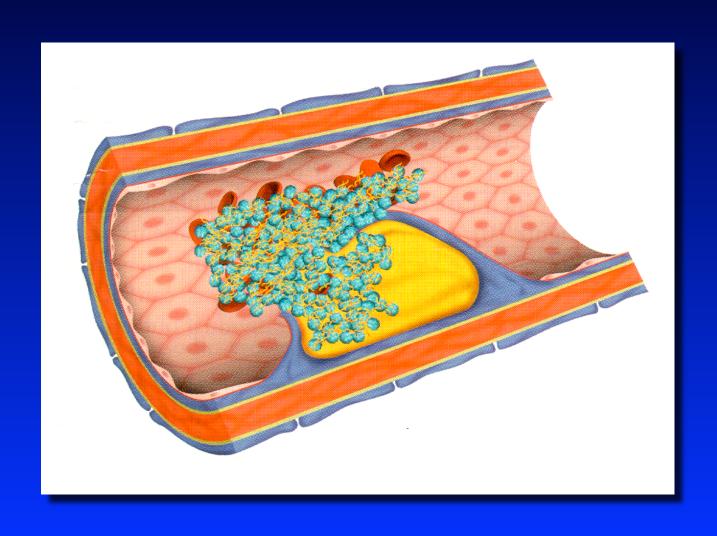
Trombosis Coronaria Suboclusiva



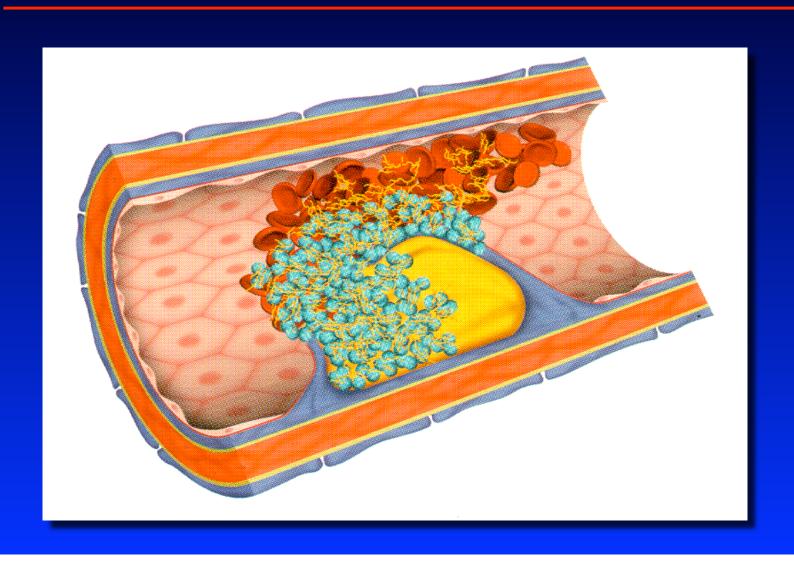
ECG de Infarto Subendocárdico



Ruptura de la Placa



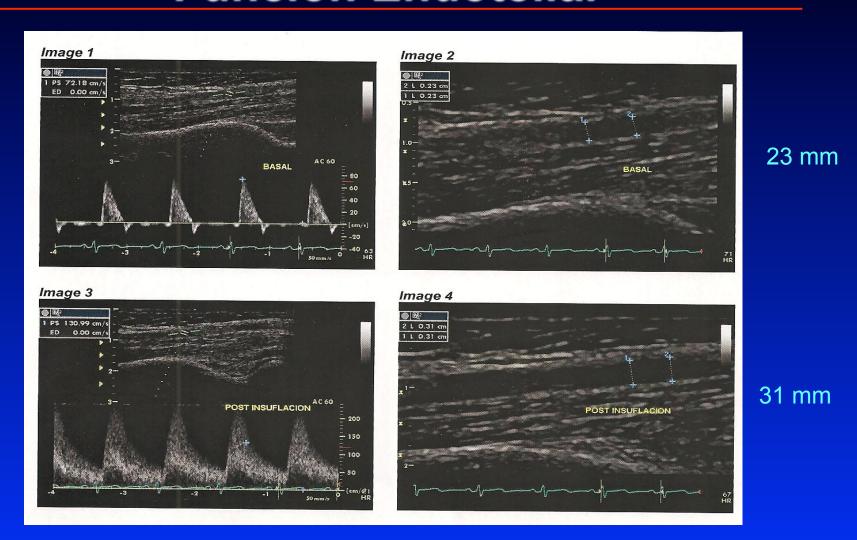
Trombo Oclusivo



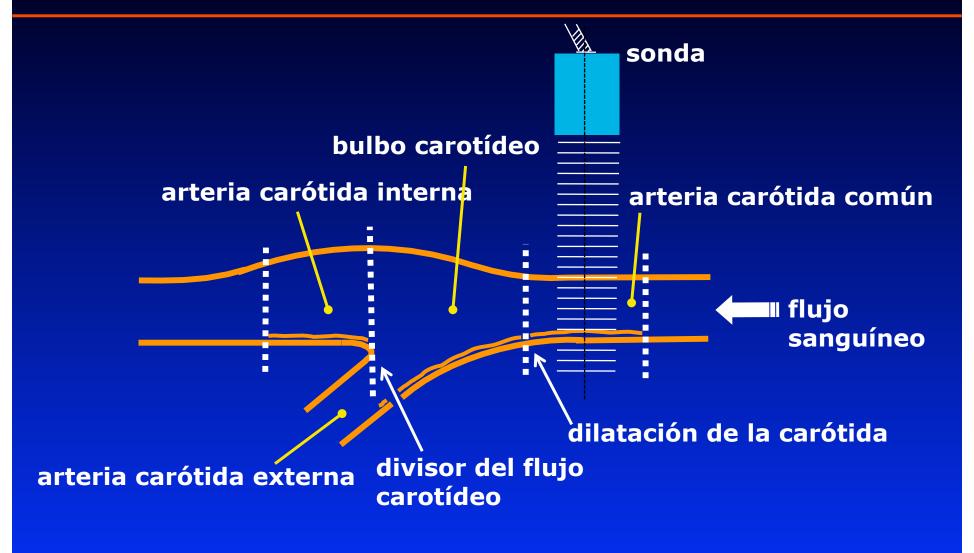
Trombosis Coronaria Oclusiva



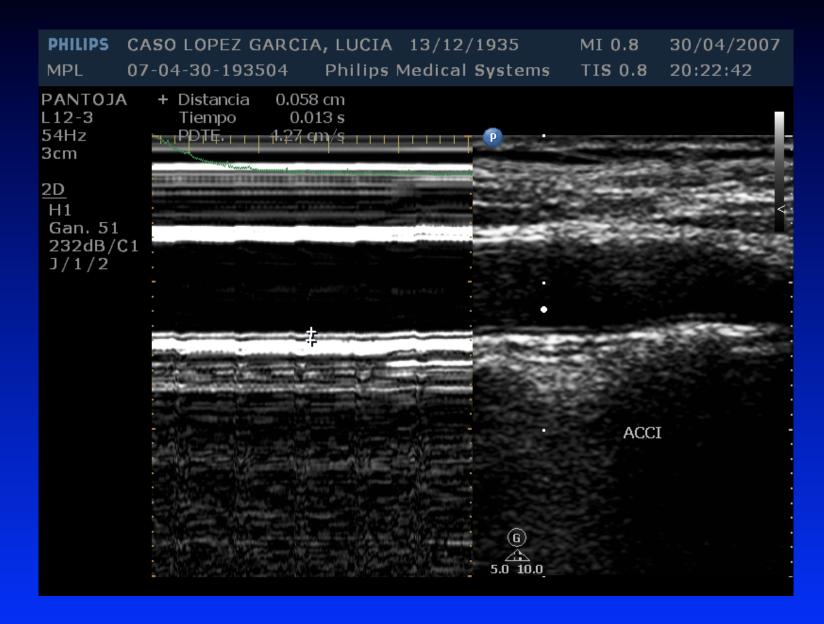
Función Endotelial



Medición del GIM



GROSOR INTIMA-MEDIA



GIM de la carótida medido utilizando ultrasonido en modo B

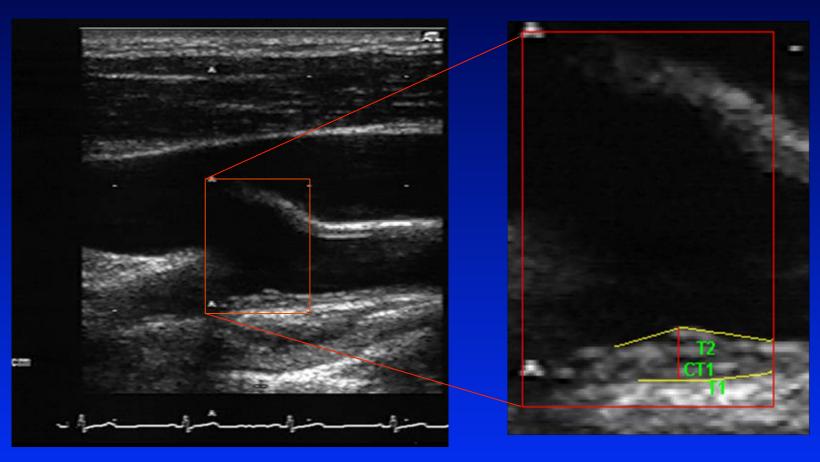
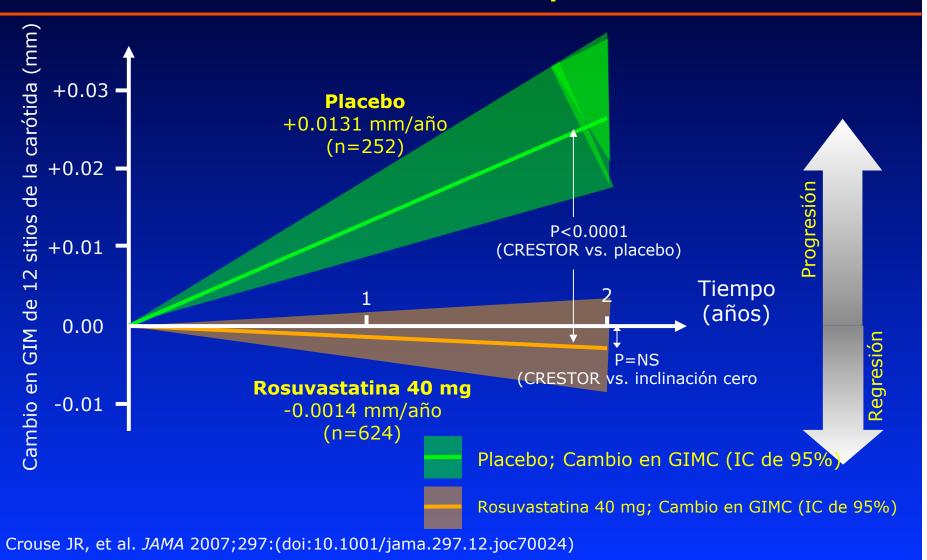


Imagen de ultrasonido de la arteria carótida Detalle que muestra la medición del GIM

METEOR objetivo final primario: Cambio del máximo GIM en 12 sitios de la carótida Rosuvastatina vs placebo



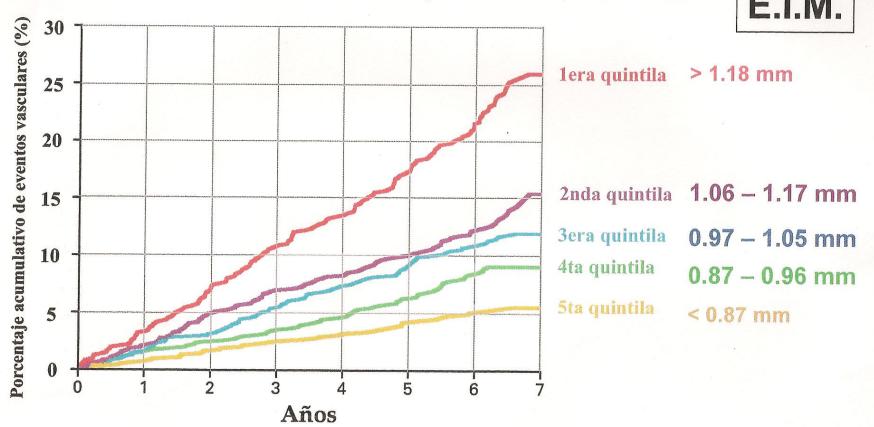
Grosor intima/media (GIM)

Cardiovascular **Health Study**

Engrosamiento Íntima-Media como factor de riesgo de infarto al miocardio y evento vascular cerebral

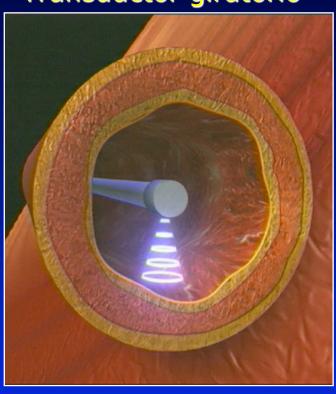
N Engl J Med 1999; 340: 14-22

E.I.M

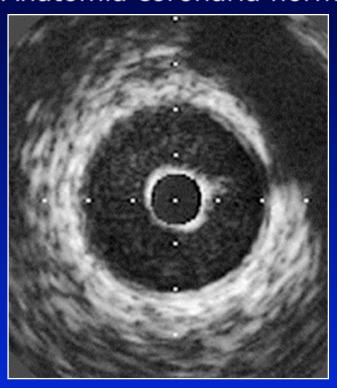


Ultrasonido intracoronario

Transductor giratorio



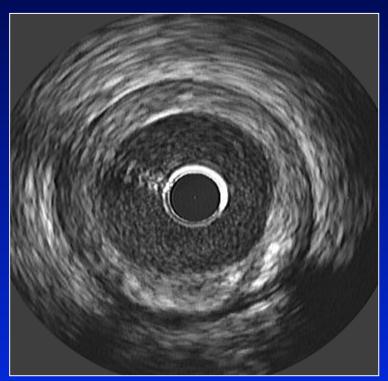
Anatomía coronaria normal

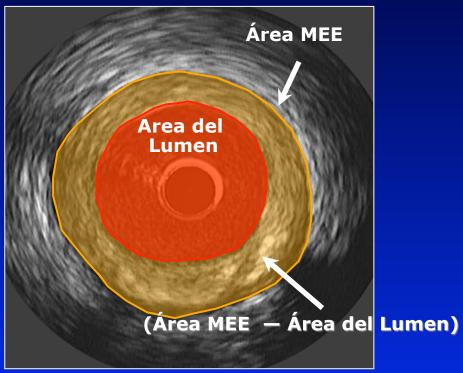


Imágenes de ultrasonido intravascular Cortesía del Laboratorio Cardiovascular de la Cleveland Clinic

Determinación Mediante el IVUS del Volumen del Ateroma

La Planimetría Precisa de la MEE y de los Bordes del Lumen permite el cálculo del Área del Corte Transversal del Ateroma





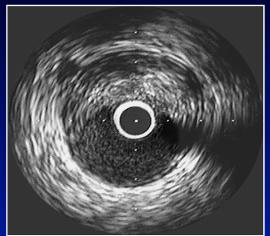
Imágenes de ultrasonido intravascular Cortesía del Laboratorio Cardiovascular de la Clínica Cleveland

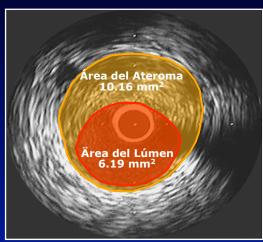
MEE = Membrana Elástica Externa

JAMA 2006;295:156-1565

Ejemplo de regresión del volumen de la placa con rosuvastatina, medida mediante IVUS

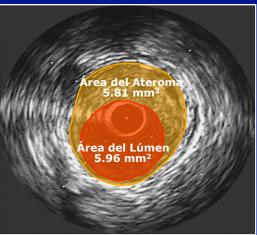
IVUS Basal





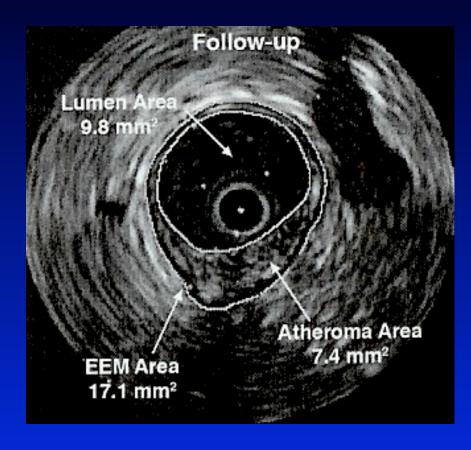
IVUS de seguimiento a los 24 meses





Regresión de Aterosclerosis. XXI





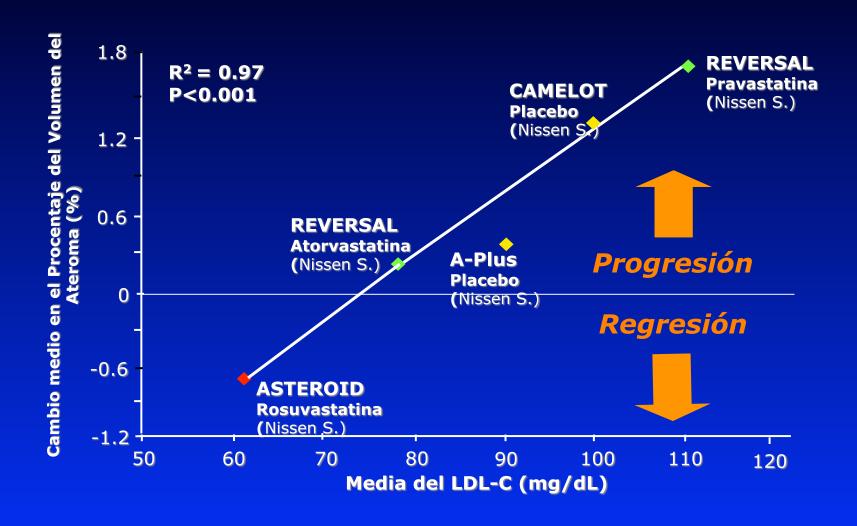
Antes del tratamiento con estatinas

(LDL< 70 mg/dl)

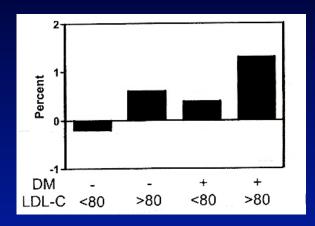
Después del tratamiento con estatinas

Circulation 2006; 113: 2826-2834

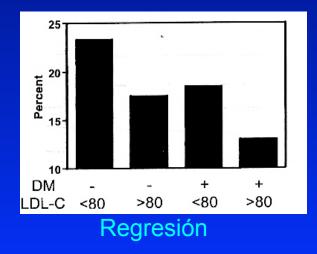
Relación entre los niveles de LDL-C y el cambio en el porcentaje del volumen del ateroma para varios ensayos con IVUS

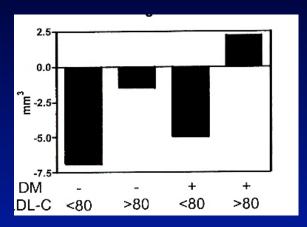


Efecto del Tratamiento sobre la Progresión y Regresión de Aterosclerosis en Diabetes Mellitus

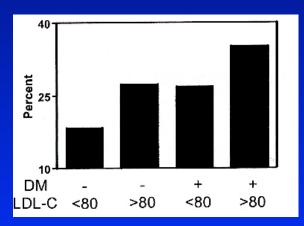


% Δ Volumen Placa





Δ Total de Placa



Progresión

J Am Coll Cardiol 2008;52:255-262