



MEASURING CENTRAL BLOOD PRESSURE

THE Science SUPPORTS THE Need

Many high-normal hypertensives have elevated central pressure.

“70% of individuals with high-normal brachial pressure had similar aortic pressures as those with stage 1 Hypertension.”

The Anglo-Cardiff Collaborative Trial II: 10,613 individuals from 18-101 years

Elevated central pressure is associated with significantly elevated risk of cardiovascular events.

“Central pulse pressure is more strongly related to vascular hypertrophy, extent of atherosclerosis and cardiovascular events than is brachial blood pressure”

The Strong Heart Study: NIH-funded, 3,520 participants followed for 4.8 years

“Central pulsatility was the most powerful predictor of the primary end point.”
(cardiovascular death, myocardial infarction, stroke, cardiac arrest, heart transplantation, myocardial revascularization)

The Aortic Blood Pressure and Survival Study Group: 1,109 participants followed for 4.5 years

Drugs may effect brachial and central pressures differently.

“BP pressure-lowering drugs can have substantially different effects on central aortic pressures and hemodynamics despite a similar impact on brachial BP”

The CAFE Study: 2,199 participants followed for up to 4 years

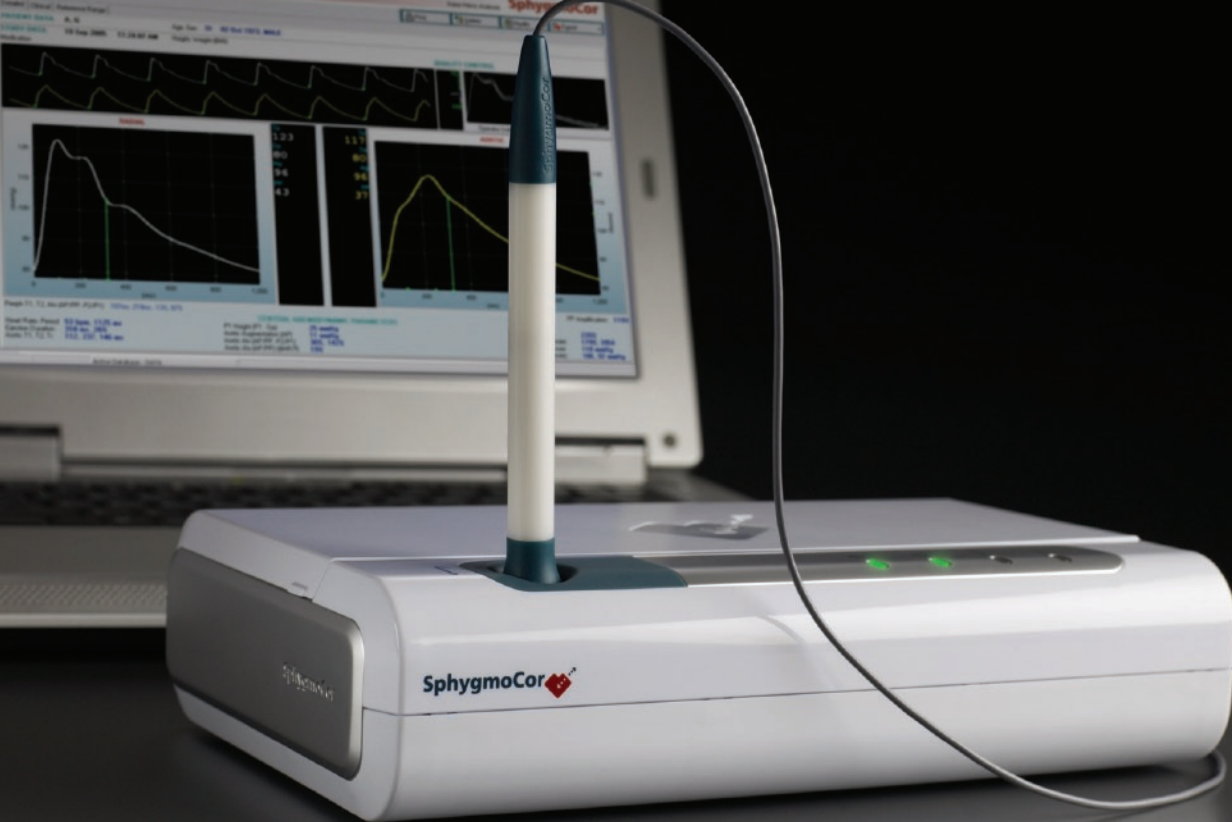


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