

Personalized Treatment Regimen Following Pulse Wave Analysis

63-Year-Old Male with Hypertension and Low Augmentation Index

Digital Vascular Biomarker Assessment

Brachial Blood Pressure	162/83 mmHg
Central Systolic Pressure	141 mmHg
Augmentation Index	15%

Interpretation

At this male patient's follow-up visit, pulse wave analysis reveals very low arterial stiffness and age- and gender-normal AP and Alx (augmentation pressure and augmentation index). Very low aortic pressure augmentation indicates that elevated central systolic pressure is likely due to other causes, such as fluid volume imbalance, high cardiac output or sympathetic over-activity. The results indicate that this patient's hypertension is not due to stiff arteries, and therapies targeting arterial stiffness may not be as effective as diuretics or other medications to remove the fluid. Given this patient's biomarker readings for AP and Alx, diuretics may be a more effective alternative in lowering blood pressure through volume reduction.

Figure 2. Central Aortic Clinical Parameters

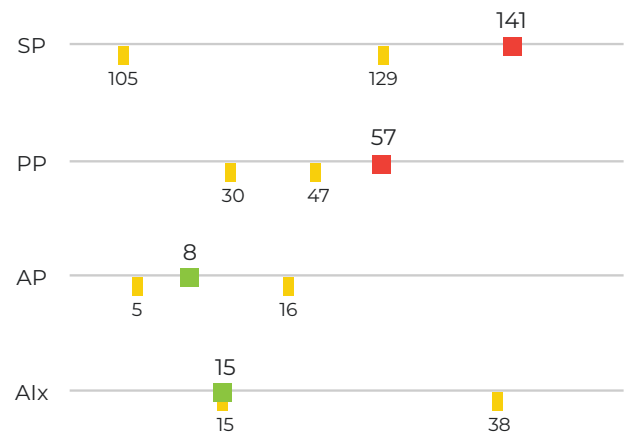


Figure 2b. Average Central Aortic Waveform

