

## The Lipid and Vascular Clinic

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Jeff LaPointe  
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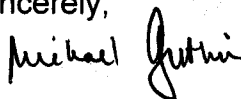
Dear Mr. LaPointe,

We have found the measurement of systemic hemodynamics by the Pulse Metric apparatus highly useful in our practice. Our practice consists of patients with hypertension and dyslipidemia, and your method has enabled us to determine hemodynamic variables (cardiac output and blood pressure, with the derived value of peripheral resistance), the rigidity of the central vascular tree (aorta, iliofemoral, and carotid vessels), and the rigidity of the muscular (brachial) vessels. In addition, we are able to estimate  $dP/dt$  MAX as an index of the effect of beta-blockade.

These measurements often prove pivotal in determining the proper combination of drug therapy for a resistant hypertensive patient, give us an assessment of cardiovascular risk based on the rigidity of the central vessels, and provide an estimate of vasomotion in the muscular vessels that helps adjust drug therapy.

We look forward to expanding the application of this technique and to growing a community of interest. We feel these measurements should be applicable universally in medical practice in the United States.

Sincerely,



Michael Gutkin MD, FACP