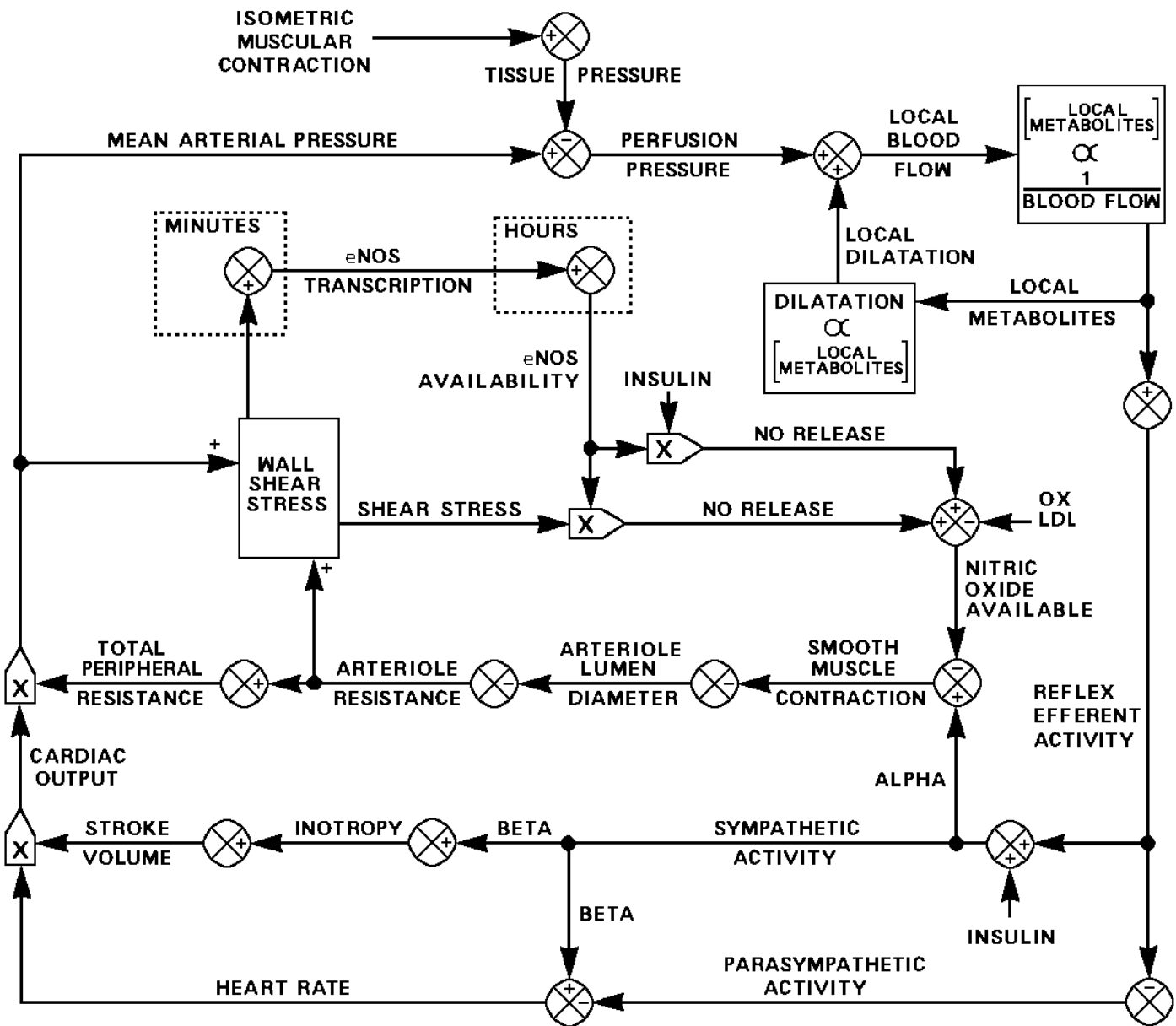


Adapted from: Savin WM, Alderman EL, Haskel WL, Schroeder JS, Ingels NB, Daughters GT, Stinson EB, Left ventricular response to isometric exercise in patients with denervated and innervated hearts, *Circulation* 1980;61:897-901.



This revision of the feedback diagram includes the action of insulin to stimulate the release of nitric oxide, the action of insulin to increase sympathetic activation, and the consuming effects of oxidized LDL to reduce nitric oxide availability after its release.

It does not yet include factors such as ADMA inhibition of NOS activity (*Circ.* 1999;99:3092-3095)

The diagram does not make the distinction between limb flow and renal flow. Each is effected during isometric training, however renal flow is still effected by a 10% effort, even in the absence of a pressor response (Middlekauff, et al, *Circ Res* 1997 Jan;80(1):62-68). Specific renal training effects may occur at the 10% level, however, no chronic training studies have been performed. Dr. Middlekauf is interested in performing such studies.