

### Supplementary Materials

**Table S1.** Comparison of stiffness indices (SIs) based on digital volume pulse from original pulse wave and IMF5 after EEMD [13,14].

Healthy Subject	Age	Height (m)	$\Delta T$ (sec)	SI (m/sec)	$\Delta T$ with IMF5	SI with IMF5
A	24	1.73	0.235	7.36	0.205	8.44
B	52	1.70	0.180	9.44	0.231	7.36*
C	63	1.65	0.160	10.30	0.248	6.65*

\* According to definition of arterial stiffness, the older subjects had higher SI values.

**Table S2.** Stiffness index values based on pressure pulse among four different groups [15];  $\Delta T$  defined as in Figure 1 using only IMF5.

Parameter	Younger subjects	Older subjects	Well-controlled diabetes	Poorly controlled diabetes
SI for IMF5, (m/sec)	$4.83 \pm 0.63$	$3.52 \pm 0.66$	$3.22 \pm 0.41^{\#}$	$2.77 \pm 0.58^{\#}$

<sup>#</sup> According to definition of arterial stiffness, the subjects with T2DM should have significantly higher SI values.