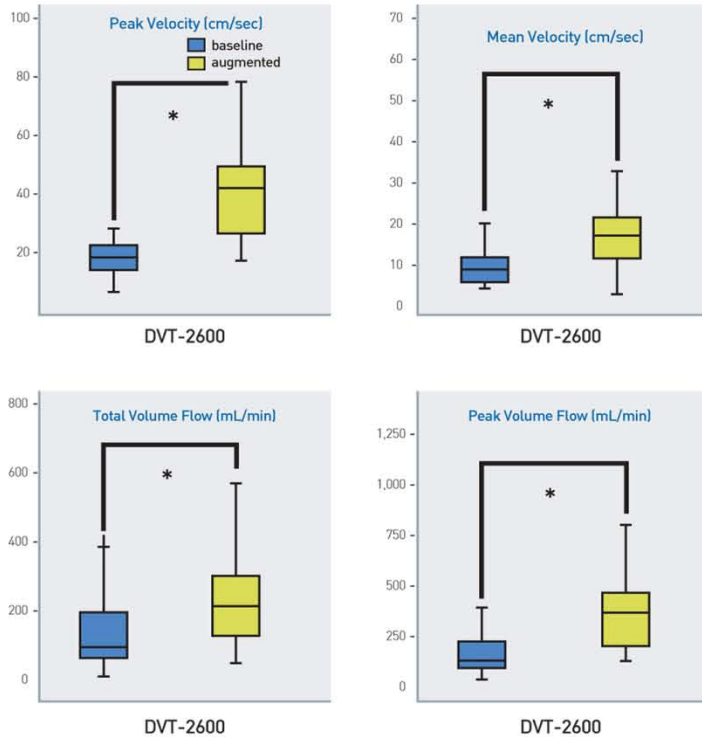


Improved Venous Hemodynamics after Application of DVT-2600



Baseline peak velocity, mean velocity, total volume flow, and peak volume flow were enhanced significantly as much as more than 2 times by the application of DVT-2600. Asterisk indicates significant difference between the baseline and the augmented values (all $P < 0.001$).

Comparison of hemodynamic parameters evaluated by duplex ultrasonography

| Venous hemodynamics | Baseline [34 limbs] | Augmented [34 limbs] | P |
|-----------------------------|------------------------|-------------------------|--------|
| PV (cm/sec) | 23.6±6.3 | 46.7±17.5 | <0.001 |
| MV (cm/sec) | 9.1±4.4 | 17.4±10.9 | <0.001 |
| PVF (mL/min) | 150.5±95.9 | 359.0±193.1 | <0.001 |
| TVF (mL/min) | 132.7±91.3 | 237.4±142.0 | <0.001 |
| Cycling rate [cycles/hour]* | 60 | | |
| Compression time [sec] | 12 | | |
| PV ratio | 2.2±1.2 | 0.696 | |
| MV ratio | 2.4±2.1 | 0.500 | |
| PVF ratio | 3.5±2.9 | 0.454 | |
| TVF ratio | 2.6±2.2 | 0.519 | |

Data are expressed as mean±standard deviation. Statistical analyses were performed, by paired t-test. *Cycling rate of DVT-2600 was fixed at 60. PV, peak velocity; MV, mean velocity; PVF, peak volume flow; TVF, total volume flow; ETV, expelled total volume; EPV, expelled peak volume; BSA, body surface area. Ratio=augmented value/baseline value.

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