

VO 100 Jugular Venous Oximetry

The Only Non-Invasive & Continuous Jugular Venous Oxygenation Monitoring System

Performance Features:

- **SjvO₂**: Jugular venous oxygen saturation
- **TPI**: Tissue perfusion index
- **Plethysmographic Waveform**: Jugular venous pulse/blood column
- **Trend**: The tie course plot of SjvO₂ and TPI

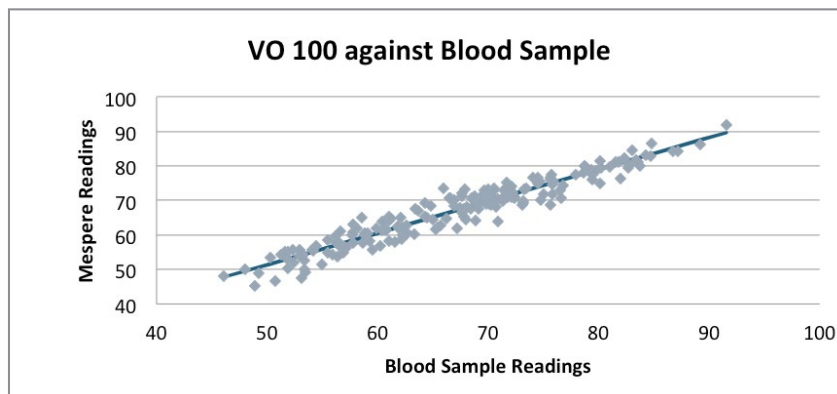
Clinical Applications:

- Sepsis early goal directed therapy
- Fluid challenge responsiveness
- Tissue perfusion monitoring
- Cerebral perfusion monitoring



Accuracy and Precision

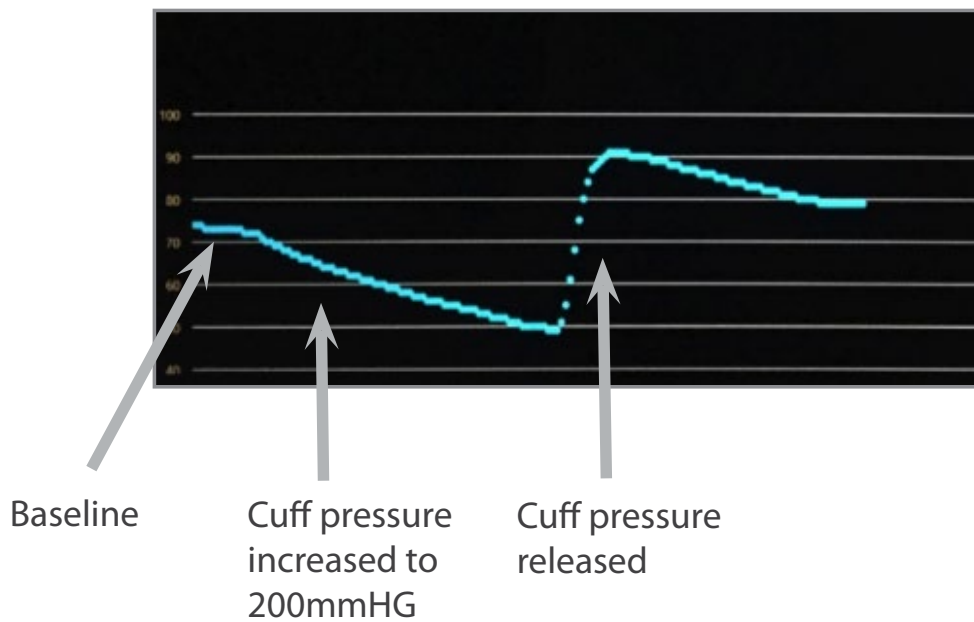
The Mespere VO 100 Jugular Venous Oximetry was validated on human subjects through the hypoxia study protocol against blood sample analysis. The Pearson's correlation coefficient is 0.96 and accuracy is \pm 2.7%



Test of Tissue Perfusion Index (TPI) Response to Tissue Hypoxia



Increasing the pressure in the cuff cuts off the blood supply creating a hypoxic state in the lower arm. TPI demonstrates a sensitive and clean response to tissue hypoxia and hypervolemia.



Features & Benefits	VO 100 SYSTEM	FIBER-OPTIC CATHETER
Accuracy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous Monitoring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Non-Invasive	<input checked="" type="checkbox"/>	<input type="checkbox"/>
No Risk of Infection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Set-Up by Nurse	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fast & Easy to Use	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Low Cost	<input checked="" type="checkbox"/>	<input type="checkbox"/>

VO 100 Jugular Venous Oximetry System		
Description	Item Code	Qty
VO 100 Sensor	SEN-VO100	1
VO 100 Adhesives (Single use)	SA-VO100	25
Mespere Operating System	OS-01	1
Mespere Display Monitor	DM-10	1
Monitor Mount	MM-01	1