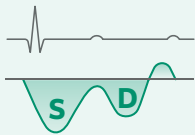
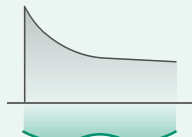
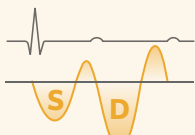
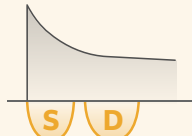
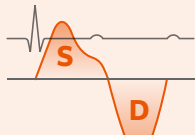
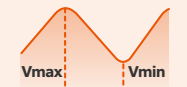
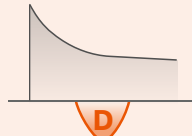


Venous Excess Ultrasound — VExUS

Interpretation		1 IVC Diameter		
Grade 0		a. Dilated or b. Non-dilated — if Dilated, proceed to steps 2 - 4 as required.		
Non-dilated IVC (< 2 cm)				
Grade 1				
Dilated IVC (≥ 2 cm) and any combination of normal or mild abnormalitie(s)				
Grade 2				
Dilated IVC (≥ 2 cm) and a severely abnormal pattern in ONE of three waveforms.				
Grade 3				
Dilated IVC (≥ 2 cm) and severely abnormal patterns in at least TWO of three waveforms.				
		2 Hepatic Vein Doppler	3 Portal Vein Doppler	4 Intrarenal Vein Doppler
	Normal	 S $\geq$ D	 Pulsatility Fraction < 30%	 Continuous S and D
	Mildly Abnormal	 S < D	 Pulsatility Fraction 30 - < 50%	 Discontinuous S and D
	Severely Abnormal	 S wave reversal	 Pulsatility Fraction $\geq$ 50%	 Discontinuous, only D

1. William Beaubien-Souligny et al. Quantifying systematic congestion with Point-of-Care ultrasound: development of the venous excess ultrasound grading system. Ultrasound J. 2020 Apr 9.

<https://theultrasoundjournal.springeropen.com/articles/10.1186/s13089-020-00163-w>.

2. Dinh, Vi. "VExUS Ultrasound Score – Fluid Overload and Venous Congestion Assessment." POCUS 101, www.pocus101.com/vexus-ultrasound-score-fluid-overload-and-venous-congestion-assessment/.

3. "VExUS Ultrasound Score Calculator." POCUS 101, www.pocus101.com/vexus-calculator/. Accessed 29 July 2024.

Any patient. Anywhere. Anytime.