



Hepatic Shear Wave Elastography (SWE) in Hepatitis C Patients – Comparative Table

SWE Manufacturer:		Siemens	Toshiba	<u>CVPH:</u>	Philips	Philips	Fibroscan
Liver Fibrosis Classification	Metavir Score	ARFI	Aplio SWE	General Electric (GE) SWE	ElastPQ SWE (Epiq)	ElastPQ SWE (iu22)	(Transient Elastography)
Normal – Mild	F0 – F1	< 1.35 m/sec	< 1.53 m/sec (<6.6 kPa)	< 5.4 kPa	< 6.43 kPa	< 6.6 kPa	< 7.2 kPa
Significant	F2	1.35 – 1.55 m/sec	1.53 – 1.73 m/sec (6.6 - 9.4 kPa)	5.4 – 9.9 kPa	6.43 – 9.54 kPa	6.6 – 9.3 kPa	7.2 – 9.6 kPa
Advanced	F3	1.55 – 1.80 m/sec	1.73 – 2.25 m/sec (9.4 -11.2 kPa)	9.9 – 12.9 kPa	9.54 – 11.34 kPa	9.3 – 10.4 kPa	9.6 – 12.5 kPa
Cirrhosis	F4	> 1.80 m/sec	> 2.25 m/sec (> 11.2 kPa)	> 12.9 kPa	> 11.34 kPa	> 10.4 kPa	> 12.5 kPa
See following page for complete references:		Friedrich-Rust M, et al, (2012) PMID: 22239521	Iijima H, (2014). and Ferraioli G, et al, (2016). Dig Liv Dis.	Song P (2016). PMID: 26782164	Ferraioli G, et al, (2016). J Gastrointestin Liver Dis PMID: 27689197	Fraquelli (2016). PMID: 27363587	Ferraioli G, et al, (2015). PMID: 25800942

1) SWE values are based on a minimum 10 measurements with the median value being recorded and a refined acquisition technique (IQR, 30%). Standard deviation of +/-1 kPa (0.3 m/s) at lower fibrosis levels (F0-2) and +/-2 kPa (0.7 m/s) at higher fibrosis levels (F3-4) apply.

2) Liver stiffness increases, independently from liver fibrosis, in cases of acute hepatitis, transaminase flares, congestive heart disease, extra-hepatic cholestasis and feeding.

References

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