

Ultrasound: Normal Measurements

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<u>ORGAN/VESSEL</u>	<u>NORMAL MEASUREMENT</u>	<u>ABNORMAL MEASUREMENT</u>
Aorta	Under 3 cm	Over 3 cm
IVC	Under 2.5 cm	Over 2.5 cm
Portal Vein	Under 13 mm	Over 13 mm
Liver	Under 17 cm	Over 17 cm
Pediatric Liver	See liver size calculator link below	
Gallbladder	Under 10 cm length, 5 cm width	Over 10 cm length, 5 cm width
Gallbladder wall	Under 3 mm	Over 3 mm
CBD	4-6 mm or under (May correspond with patient age after 60 years. Example: 70 years - 7 mm)	Over 6 mm (May increase 1 mm in diameter every decade. Example: 90 years - 9 mm)
CBD S/P Cholecystectomy	Under 10 mm	Over 10 mm
Spleen	Under 13 cm length, volume under 350 ml	Over 13 cm length, volume > 350 ml
Pediatric Spleen	See pediatric spleen and renal size calculator link below	
Kidneys (adult) ** make sure there is no more than 2 cm difference in length left to right **	Over 9 cm in length	Under 9 cm in length
Renal cortex (adult)	Over 1 cm	Under 1 cm
Pediatric Kidneys	See pediatric spleen and renal size calculator link below	
Bladder wall	Under 5 mm (when fully distended)	Over 5 mm (when fully distended)
Thyroid isthmus	Under 10 mm	Over 10 mm
Epi body	Under 4 mm	Over 4 mm
Prostate	Measure when > 30 ml	
Endo – PM with bleeding	Under 3 mm	Over 3 mm
Endo – PM without bleeding	Under 5 mm	Over 5 mm
Dominant follicle	Under 2.5 cm do not measure	Over 2.5 cm measure (cyst)

Pediatric spleen and renal size calculator link:

[Pediatric Kidney Size Normal Range and Renal Length Percentile Calculator in Children - Radiology Universe Institute](#)

Pediatric liver size calculator link:

[Radiology World](#)