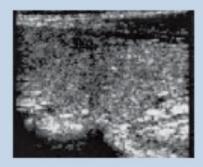
CÁCH ĐO CÁC TẠNG TRỊ SỐ BÌNH THƯỜNG

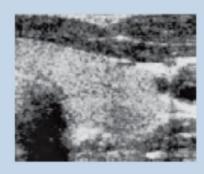
Bs Nguyễn Hữu Chí Khoa Siêu âm-BV Nhi Đồng I

TUYẾN GIÁP

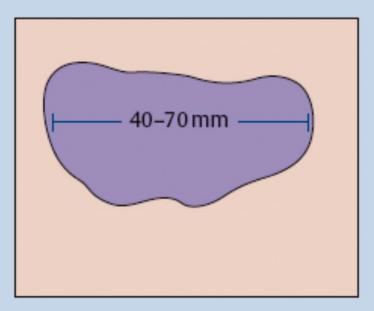
Thyroid gland

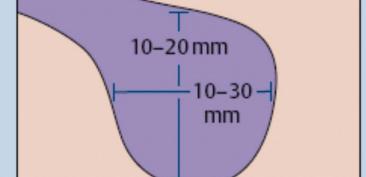


In longitudinal section



In transverse section





Length 40-70 mm

Width 10-30 mm

Depth 10-20 mm

Volume in men:

< 25 mL

Volume in women:

< 20 mL

Sonographic Normal Thyroid Lobe Measurements (cm)

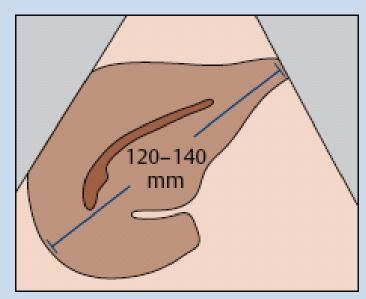
Age	Transverse (cm)	Longitudinal (cm)	AP (cm)
Infants and Young Children	1 - 1.5	2 - 3	0.2 - 1.2
Adolescents & Adults	2 - 4	5 - 8	1 - 2.5

GAN

Liver



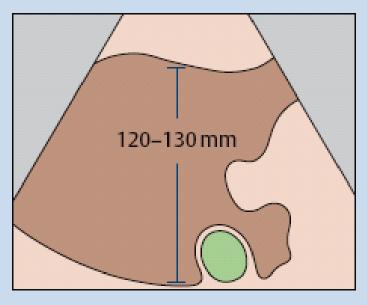
In longitudinal



section



In transverse section



Craniocaudal < 140 mm

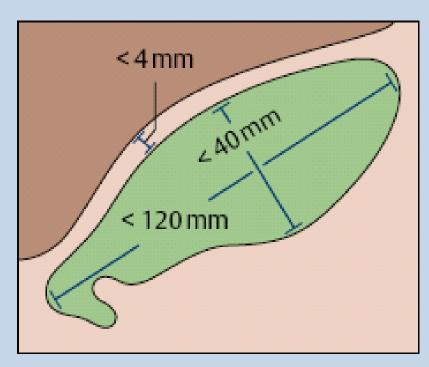
Anteroposterior < 120 mm

Angle of inferior border: Left < 30° Right < 45°

TÚI MẬT

Gallbladder





Length

< 120 mm

Width

< 40 mm

Wall thickness

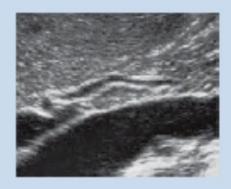
<4mm

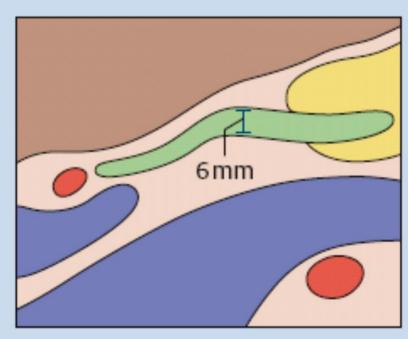
Normal Gallbladder Measurements vs. Age¹

Age (y)	AP (cm) Mean	AP (cm) Range	Coronal (cm) Mean	Coronal (cm) Range	Lengt h (cm) Mean	Length (cm) Range	Wall Thickn ess (mm) Mean	Wall Thickn ess (mm) Range
0-1	0.9	0.5-1.2	0.9	0.7-1.4	2.5	1.3-3.4	1.7	1.0-3.0
2-5	1.7	1.4-2.3	1.8	1.0-3.9	4.2	2.9-5.2	2.0	None
6-8	1.8	1.0-2.4	2.0	1.2-3.0	5.6	4.4-7.4	2.2	2.0-3.0
9-11	1.9	1.2-3.2	2.0	1.0-3.6	5.5	3.4-6.5	2.0	1.0-3.0
12-16	2.0	1.3-2.8	2.1	1.6-3.0	6.1	3.8-8.0	2.0	1.0-3.0

ĐƯỜNG MẬT

Bile duct





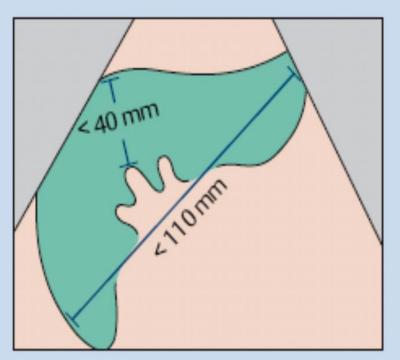
Normal width < 6 mm

After cholecystectomy < 9 mm

LÁCH

Spleen





In longitudinal flank scan: Length < 110 mm Thickness < 40 mm

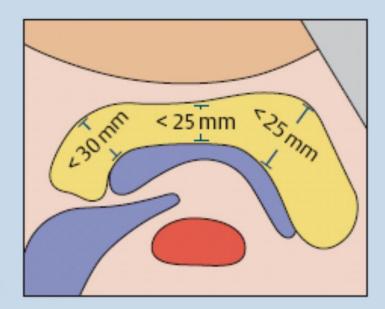
Ultrasound: Normal Spleen Size versus Age¹

Age	Spleen Length (cm)*	
0 - 3 months	<u>≤</u> 6	
3 - 6 months	<u><</u> 6.5	
6 - 12 months	<u><</u> 7	
1 - 2 years	<u><</u> 8	
2 - 4 years	<u>< 9</u>	
4 - 6 years	<u><</u> 9.5	
6 - 8 years	<u>≤</u> 10	
8 - 10 years	<u><</u> 11	
10 - 12 years	<u>≤</u> 11.5	
12 - 15 years	<u>≤</u> 12	
15 - 20 years (female)	≤ 12 (female)	
15 - 20 years (male)	≤ 13 (male)	

TŲY

Pancreas





Head < 30 mm

Body < 25 mm

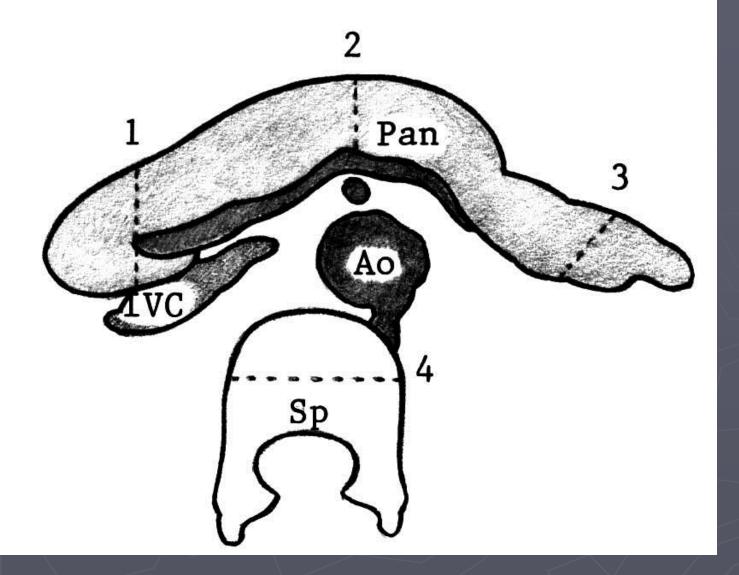
Tail < 25 mm



< 2 mm

Pancreatic duct < 2 mm

Pancreatic duct



Normal Pancreas Size as a Function of Age (Ultrasound)*1

Age	Head in cm (± 1 SD)	Body in cm (± 1 SD)	Tail in cm (± 1 SD)
< 1 month	1.0 ± 0.4	0.6 ± 0.2	1.0 ± 0.4
1 month to 1 year	1.5 ± 0.5	0.8 ± 0.3	1.2 ± 0.4
1 to 5 years	1.7 ± 0.3	1.0 ± 0.2	1.8 ± 0.4
5 to 10 years	1.6 ± 0.4	1.0 ± 0.3	1.8 ± 0.4
10 to 19 years	2.0 ± 0.5	1.1 ± 0.3	2.0 ± 0.4

Table 5.6 Normal dimensions of the pancreas as a function of age in children³⁵

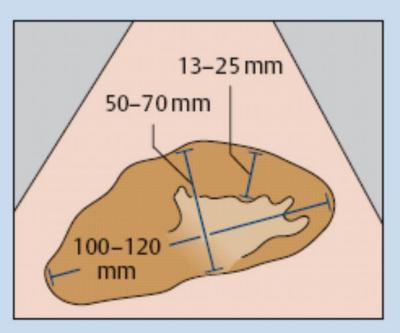
	Maximal anteroposterior diameter* (cm)			
Age (years)	Head	Body	Tail	
0-6	1.6 (1.0-1.9)	0.7 (0.4-1.0)	1.2 (0.8-1.6)	
7-12	1.9 (1.7-2.0)	0.9 (0.6-1.0)	1.4 (1.3-1.6)	
13-18	2.0 (1.8-2.2)	1.0 (0.7-1.2)	1.6 (1.3-1.8)	

[&]quot;Mean values (range in parentheses)

THẬN

Kidneys





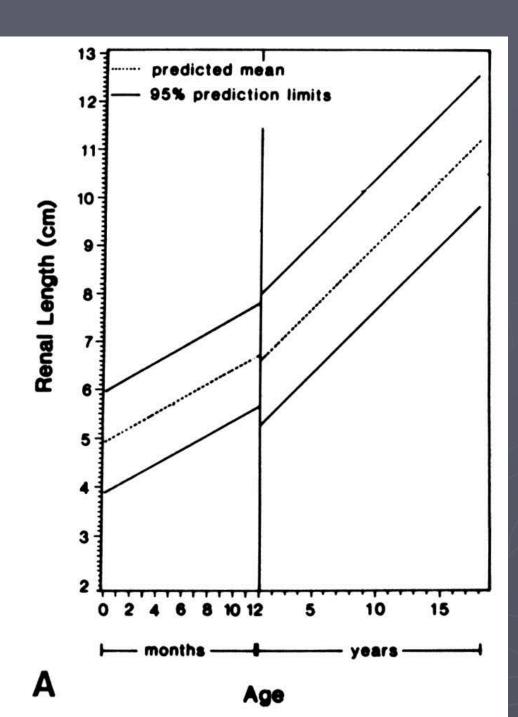
length 100–120 mm

width 50-70 mm

Width of parenchyma: 13–25 mm

Parenchymal-pelvic ratio:

60 years or younger 1.6:1 Over 60 years 1.1:1



*Kích thước: Chiều dài trung bình

. So sinh : 4-4,5cm

. <1 tuổi : 6cm

. <5 tuổi : 8cm

. <10 tuổi : 10cm



Figure 1

Methods used to measure normal adrenal glands on coronal and sagittal sonograms. L = length; W = width.

Table 4.1 Normal range of ultrasonographically determined adrenal diameters in the normal neonate

Adrenal diameters (mm)

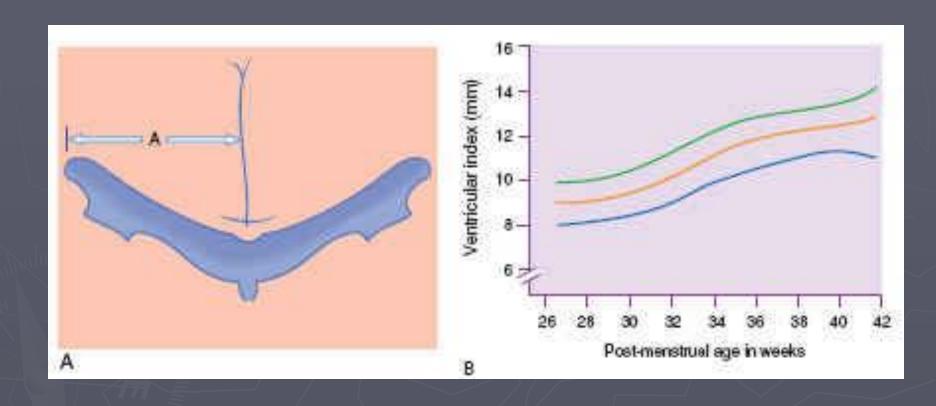
Age (days)	Transverse	Anteroposterior	Length
1	10.4-22.0	4.1-12.3	9.1-19.9
2	10.0-21.2	4.1-11.9	8.7-19.0
3	9.7-20.6	4.1-11.5	8.5-18.3
4	9.5-20.1	4.0-11.2	8.2-17.7
5	9.3-19.6	4.0-10.9	8.0-17.2
6	9.1-19.2	4.0-10.7	7.8-16.7
7	8.9-18.9	4.0-10.5	7.6-16.3
14	8.0-16.8	3.9-9.2	6.7-13.8
21	7.2-15.2	3.8-8.2	5.9-12.0
28	6.6-13.8	3.8-7.4	5.3-10.4
35	6.0-12.6	3.7-6.7	4.7-9.1
42	5.6-11.5	3.7-6.1	4.2-7.8

After Scott BM, Thomas A, McGarrigle HHG, Lachelin GCL. Serial adrenal ultrasonography in normal neonates. J Ultrasound 1990; 9:279.

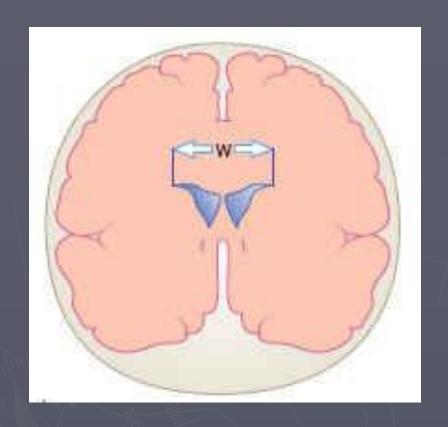
Normal Adrenal Gland Size as a Function of Age¹

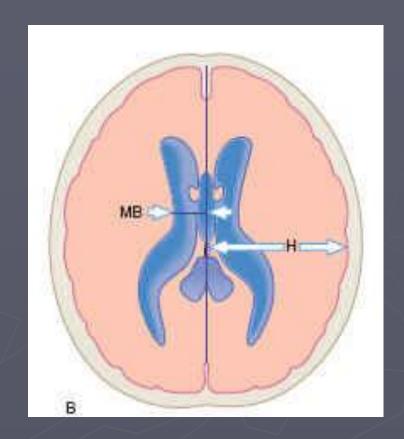
Age	Length (cm)	Thickness (cm)	Width (cm)
Neonate	0.9 - 3.6 (mean, 1.5)	0.2 - 0.5 (mean, 0.3)	
Adult	4 - 6	0.2 - 0.6	2 -3

CÁCH ĐO NÃO THẤT



Levence-Chỉ số não thất 26-42W





Virkola Đủ tháng

Table 9.1 Normal ranges (-2 SD to +2 SD) for different ultrasonographic measures of the neonatal and infant brain in healthy full-term infants

Age (months)	Midbody width (mm)	Hemispheric width (mm)	Combined coronal ventricular width (mm)
0	11.5-14.1	39.0-46,4	21.6-27.9
Ĭ,	11.9-14.8	40.6-48.2	22.4-29.0
2	12.3-15.4	42.1-50.0	23.2-30.1
3	12.7-16.1	43.7-51.9	24,0-31,1
4	13,1-16.7	45.2-53.7	24.8-32.2
5	13.5-17.3	46.8-55.6	25.6-33.3
6	13.9-18.0	48.3-57.4	26.4-34.3
7	14.3-18.6	49.8-59.2	27.1-35.4
8	14.7-19.3	51.4-61.1	27.9-36.5
9	15.1-19.9	52.9-62.9	28.7-37.5

[&]quot;See Figure 9.2 for definitions of measures."

After Virkola*

