

## Lab Test History

20/3/2019

No	Test Name / Parameter Name	Unit	RefRange	Result		
	SERUM IRON			01/11/2018	02/11/2018	20/03/2019
1	SERUM IRON	UMOL/L	6.6 - 26.0		13.9	
	FBC - FULL BLOOD COUNT			01/11/2018	02/11/2018	20/03/2019
2	WBC	10 <sup>9</sup> /L	4.00 - 11.00		5.19	
3	NEU#	10 <sup>9</sup> /L	2.00 - 7.00		3.44	
4	LYM#	10 <sup>9</sup> /L	0.80 - 4.00		1.37	
5	MON#	10 <sup>9</sup> /L	0.12 - 1.20		0.26	
6	EOS#	10 <sup>9</sup> /L	0.02 - 0.50		0.11	
7	BAS#	10 <sup>9</sup> /L	0.00 - 0.10		0.01	
8	NEU%	%	50.0 - 70.0		66.3	
9	LYM%	%	20.0 - 40.0		26.4	
10	MON%	%	3.0 - 12.0		4.9	
11	EOS%	%	0.5 - 5.0		2.1	
12	BAS%	%	0.0 - 1.0		0.3	
13	RBC	10 <sup>12</sup> /L	3.50 - 5.50		5.23	
14	HB - HEMOGLOBIN	g/Dl	12 - 16		11.5	
15	HCT	%	37.0 - 54.0		35.5	
16	MCV	fL	80.0 - 100.0		67.9	
17	MCH	pg	27.0 - 34.0		22.0	
18	MCHC	g/L	320 - 360		324	
19	RDW-CV	%	11.0 - 16.0		13.3	
20	RDW-SD	fL	35.0 - 56.0		32.6	
21	PLT	10 <sup>9</sup> /L	150 - 450		214	
22	MPV	fL	6.5 - 12.0		8.7	
23	PDW	-	15.0 - 17.0		15.4	
24	PCT	mL/L	1.08 - 2.82		1.86	
25	P-LCC	10 <sup>9</sup> /L	30 - 90		41	
26	P-LCR	%	11.0 - 45.0		19.2	
	VITAMIN D			01/11/2018	02/11/2018	20/03/2019
27	VITAMIN D	NMOL/L	75.0 - 100.0			79.3

17/5/2019

## TEST

RESULT

FLAG

UNIT

REFERENCE RANGE

## ENDOCRINE

Cortisol

275

nmol/L

 AM : 145 - 619  
 PM : 95 - 462

Cortisol Collection Date

17/05/2019

Cortisol Collection Time

07:57 AM

17/5/2019

## TEST

RESULT

FLAG

UNIT

REFERENCE RANGE

## BIOCHEMISTRY

Sodium

138

mmol/L

( 135 - 145 )

Potassium

4.1

mmol/L

( 3.5 - 5.1 )

Chloride

105

mmol/L

( 98 - 109 )

Urea

3.7

mmol/L

( 2.5 - 6.4 )

TEST	RESULT	FLAG	UNIT	REFERENCE RANGE
<b>HAEMATOLOGY</b>				
<b>Full Blood Count</b>				
HAEMOGLOBIN	11.8	*	g/dL	( 12.0 - 16.0 )
Red Blood Cell	5.45		$\times 10^{12}/L$	( 3.90 - 5.60 )
RDW	14.2		%	( 12.4 - 15.1 )
Packed Cell Volume	39		%	( 35 - 47 )
MCV	71	*	fL	( 76 - 96 )
MCH	22	*	pg	( 28 - 34 )
MCHC	31		g/dL	( 30 - 36 )
WHITE BLOOD CELL	7.3		$\times 10^9/L$	( 4.0 - 11.0 )
<b>Differential Count</b>				
Neutrophils (%)	65.0		%	( 40.0 - 75.0 )
Lymphocytes (%)	25.4		%	( 20.0 - 45.0 )
Monocytes (%)	6.7		%	( 2.0 - 10.0 )
Eosinophils (%)	2.6		%	( 0.0 - 6.0 )
Basophils (%)	0.3		%	( 0.0 - 1.0 )
Neutrophils	4.7		$\times 10^9/L$	( 2.0 - 7.5 )
Lymphocytes	1.9		$\times 10^9/L$	( 1.5 - 4.0 )
Monocytes	0.5		$\times 10^9/L$	( 0.2 - 0.8 )
Eosinophils	0.19		$\times 10^9/L$	( 0.00 - 0.40 )
Basophils	0.0		$\times 10^9/L$	( 0.0 - 0.1 )
PLATELET	279		$\times 10^9/L$	( 150 - 400 )
Erythrocyte Sedimentation Rate	11		mm/hr	(<34)

TEST	RESULT	FLAG	UNIT	REFERENCE RANGE
<b>BIOCHEMISTRY</b>				
<b>RENAL FUNCTION</b>				
Sodium	140		mmol/L	( 135 - 145 )
Potassium	4.5		mmol/L	( 3.5 - 5.1 )
Chloride	106		mmol/L	( 98 - 109 )
Urea	3.4		mmol/L	( 2.5 - 6.4 )
Creatinine	46		umol/L	( 44 - 97 )
Estimated - GFR ( CKD-EPI )	>90		ml/min/1.73m <sup>2</sup>	(>90)
Uric Acid	0.23		mmol/L	( 0.18 - 0.46 )
<b>DIABETIC SCREEN</b>				
Glucose	4.9		mmol/L	(Fasting : 3.9 - 5.5) (Random : 3.9 - 7.7)
<b>LIVER FUNCTION TEST</b>				
Total Protein	65		g/L	( 64 - 85 )
Albumin	43		g/L	( 32 - 48 )
Globulin	22		g/L	( 20 - 50 )
Albumin-Globulin Ratio	1.95			( 1.00 - 2.20 )
Alkaline Phosphatase	57		U/L	( 38 - 124 )
Aspartate Transaminase	25		U/L	( 0 - 35 )
Alanine Transaminase	17		U/L	( 10 - 49 )
Gamma-Glutamyl Transferase	17		U/L	( 4 - 47 )
Total Bilirubin	8.9		umol/L	(<22.0)
<b>LIPID PROFILE</b>				
Total Cholesterol	4.3		mmol/L	(<5.2)
HDL-Cholesterol	1.2	*	mmol/L	(>1.3)
Non-HDL-Cholesterol	3.1		mmol/L	(<3.4)
LDL-Cholesterol	2.8	*	mmol/L	(<2.6)
Triglycerides	0.6		mmol/L	(<1.7)
Cholesterol/HDL Ratio	3.6	*		(<3.5)

Chemistry, Hematology, Fluids And Excretion, Hematology, Immunology		Sex	Female	
Glucose (Plasma)	Unit mmol/L	Ref. Range Fasting: <5.6 Random: <7.8 Post Prandial: <11.1	Flag	Result 4.9
<b>RENAL FUNCTION TEST</b>				
Sodium (Serum)	mmol/L	136 - 145		139
Potassium (Serum)	mmol/L	3.6 - 5.2		4.4
Chloride (Serum)	mmol/L	99 - 109		105
Total CO <sub>2</sub> (Serum)	mmol/L	20.0 - 31.0		30
Anion Gap (Serum)	mmol/L	10 - 20	L	9
Urea (Serum)	mmol/L	3.2 - 8.2		3.7
Creatinine (Serum)	umol/L	44 - 71	L	40
eGFR		> 90		> 90
Comment				eGFR is not valid for individuals under the age of 18, individuals with unstable creatinine concentrations e.g. pregnancy, AKI, and persons with extremes in muscle mass and diet.
<b>LIVER FUNCTION TEST</b>				
Albumin (Serum)	g/L	32 - 48		38
Total Bili (Serum)	umol/L	< 17		6
ALP (Serum)	U/L	45 - 129		67
ALT(GPT) (Serum)	U/L	10 - 49		22
Gamma GT (Serum)	U/L	< 38		35
<b>Complete Bld Count</b>				
<b>Complete Blood Count</b>				
HB	g/L	120.0 - 150.0	L	117
HCT	L/L	0.36 - 0.46		0.39
RBC	10 <sup>12</sup> /L	3.80 - 4.80	H	5.43
MCV	fL	77 - 97	L	71
MCH	pg	27.0 - 32.0	L	21.5
MCHC	g/L	315 - 345	L	304
RDW	%	11.6 - 14.0	H	15
WBC	10 <sup>9</sup> /L	4.0 - 10.0		7.8
Platelet	10 <sup>9</sup> /L	150 - 400		265
<b>DC (Instrument)</b>				
% Neutrophil	%			64.8
# Neutrophil	10 <sup>9</sup> /L	2.00 - 7.00		5.05
% Lymphocyte	%			25
# Lymphocyte	10 <sup>9</sup> /L	1.00 - 3.00		1.95
% Monocyte	%			5.6
# Monocyte	10 <sup>9</sup> /L	0.20 - 1.00		0.44
% Eosinophil	%			4.1
# Eosinophil	10 <sup>9</sup> /L	0.02 - 0.50		0.32
% Basophil	%			0.5
# Basophil	10 <sup>9</sup> /L	0.02 - 0.10		0.04
% Imm. Granulocyte	%			0
ESR	mm/hr	< 29		6
<b>Urine FEME</b>				
<b>Biochemistry</b>				
Specific Gravity		1.005 - 1.030		1.01
pH		5.0 - 7.0		6
Leucocyte Esterase				Negative
Nitrite				Negative

RESULTS: TEL 3342 2828

Service Date: 20/06/2019

\* Vitamin B12 维他命12 / 氰钴胺 1666 [ 191 - 663 ] pg/mL

Note: Please note there has been a change in the assay and reference interval effective from 12/8/2015.

\* Folate 41.5 [ 3.1 - 17.5 ] ng/ml

Note: Please note there has been a change in the Folate assay and reference interval effective from 30/08/2016



July 2019

TEST	RESULT	FLAG	UNIT	REFERENCE RANGE
<b>HAEMATOLOGY</b>				
<b>Full Blood Count</b>				
HAEMOGLOBIN	11.8	*	g/dL	( 12.0 - 16.0 )
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RDW	14.2		%	( 12.4 - 15.1 )
Packed Cell Volume	39		%	( 35 - 47 )
MCV	71	*	fL	( 76 - 96 )
MCH	22	*	pg	( 28 - 34 )
MCHC	31		g/dL	( 30 - 36 )
WHITE BLOOD CELL	7.3		$\times 10^9/L$	( 4.0 - 11.0 )
<b>Differential Count</b>				
Neutrophils (%)	65.0		%	( 40.0 - 75.0 )
Lymphocytes (%)	25.4		%	( 20.0 - 45.0 )
Monocytes (%)	6.7		%	( 2.0 - 10.0 )
Eosinophils (%)	2.6		%	( 0.0 - 6.0 )
Basophils (%)	0.3		%	( 0.0 - 1.0 )
Neutrophils	4.7		$\times 10^9/L$	( 2.0 - 7.5 )
Lymphocytes	1.9		$\times 10^9/L$	( 1.5 - 4.0 )
Monocytes	0.5		$\times 10^9/L$	( 0.2 - 0.8 )
Eosinophils	0.19		$\times 10^9/L$	( 0.00 - 0.40 )
Basophils	0.0		$\times 10^9/L$	( 0.0 - 0.1 )
PLATELET	279		$\times 10^9/L$	( 150 - 400 )
Erythrocyte Sedimentation Rate	11		mm/hr	( <34 )

OUTPATIENT : (KLINIK AM )

July 2019

Imaging Procedure Requested. (IV Contrast : No )

No.	Code	Description	Appointment Date
1	USABDPEL	US Abdomen & Pelvis	

**Diagnosis**

weight loss for investigation

**Clinical Summary**

7kg loss over 3 months. noted tender right upper quadrant, palpable liver 1cm below costal margin. RIF mildly tender. no masses palpable. inflammatory markers normal. ESR normal

**Referring Doctor**

NAME : DR. CHOONG JIN IAN  
POSITION : PEGAWAI PERUBATAN  
STATUS : JABATAN RAWATAN UTAMA  
PHONE.NO : 012-3383892

**Name of Consultant In-Charge of Patient**

**Last Menstrual Period (L.M.P)**

☐ Pregnant ☐ Not Pregnant ☒ Not Applicable

LMP Date : -

Estimated LMP : -

Referral Date : 19-07-2019 11:37 AM

Note : No report will be made unless the above particulars are fully provided

**FOR DEPARTMENT OF BIOMEDICAL IMAGING USE ONLY**

**Patient's Declaration**

LMP Date :

I hereby declare that to my knowledge, I am not pregnant on and fully understand the possible risks involved with the examination/procedure as has explained to me by the medical officer/radiographer.

Patient's Signature and Date :

26/7/2019

Lab : Clinical Chemistry , Endocrinology , Fluids And Sex : Female  
Excretion , Hematology , Immunology

	Unit	Ref. Range	Flag	Result
Protein (I)				Negative
Glucose (I)				Negative
Ketone (I)				Negative
Urobilinogen (I)				Negative
Bilirubin (I)				Negative
Haemoglobin/RBC (I)				Negative
Comment				Microscopic examination was not performed since urine protein, leukocytes, nitrite and erythrocytes were negative.
TSH (Serum)	mIU/L	0.55 - 4.78		2.7
ANF				SS-A pattern seen.
Anti Nuclear Factor				

\*\*This is computer generated report performed by UMMC Lab Services. Signature is not required.

29/7/2019

## ULTRASOUND SCAN (UPPER ABDOMEN)

### FINDINGS

#### GALL BLADDER

Calculi	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Polyp	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Thickened Wall	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Tender to palpation	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Adenomyomatosis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Sludge	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

#### COMMON BILE DUCT

☐ mm

#### LIVER

Echogenicity increase:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Mild	<input type="checkbox"/>	Moderate	<input type="checkbox"/>	Severe	<input type="checkbox"/>
Texture	Homogenous	<input checked="" type="checkbox"/>	Heterogenous	<input type="checkbox"/>	
Intra Hepatic Ducts	Normal	<input checked="" type="checkbox"/>	Prominent	<input type="checkbox"/>	
Focal lesions	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	

Size

Maximum mid clavicular length

12.11 cm

#### SPLEEN

9.22 cm

#### PANCREAS

Areas Visualized:

Head



Body



Tail



23/7/ 2019

2D Measurements	Value	m1	m2	m3	m4	m5	m6	Mean
<b>Uterus</b>								
Length	6.08 cm	6.08						avg.
Width	5.05 cm	5.05						avg.
Height	3.10 cm	3.10						avg.
Volume	49.837 cm <sup>3</sup>	49.837						
Endo Thickness	1.41 mm	1.41						avg.
<b>Left Ovary</b>								
Length	2.09 cm	2.09						avg.
Width	2.03 cm	2.03						avg.
Height	0.92 cm	0.92						avg.
Volume	2.044 cm <sup>3</sup>	2.044						
<b>Right Ovary</b>								
Length	1.59 cm	1.59						avg.
Width	1.62 cm	1.62						avg.
Height	0.61 cm	0.61						avg.
Volume	0.823 cm <sup>3</sup>	0.823						

**Comment**

LMNP: 23/07/2019

The uterus appeared normal and homogenous. No fibroid or other mass noted in the uterus.

The endometrium appeared hyperechoic and thin, correlates to the appearance of follicular phase.

Right and left ovary appeared normal and not enlarged. Follicles noted. No ovarian cyst noted.

No adnexal masses or free fluid noted.

15/8/2019

Lab : Coagulation , Endocrinology

Sex : Female

	Unit	Ref. Range	Flag	Result
<b>Coagulation Screen</b>				
<b>PT</b>				
PT Patient (Sec)	sec	9.9 - 12.3	H	12.5
PT Ratio	Ratio	0.89 - 1.11		1.1
PT INR	INR			1.1
Comment				New reference range for PT from 26 April 2018
<b>APTT</b>				
APTT-Normal	secs	28.8 - 39.2		34
APTT-Patient	secs	28.8 - 39.2		31.7
Comment				New reference range for APTT from 25 April 2019
<b>Prolactin (Serum)</b>	mIU/L	Male : 45 - 375 Female: Non pregnant: 59 - 619 Pregnant : 206 - 4420 Post Menopausal Female: 38 - 430		148

\*\*This is computer generated report performed by UMMC Lab Services. Signature is not required .

23/8/2019

Lab : Fluids And Excretion

Sex : Female

	Unit	Ref. Range	Flag	Result
Occult blood				Negative

*\*\*This is computer generated report performed by UMMC Lab Services. Signature is not required .*

4/9 2019

**Report Date / Time** :04.09.2019 12:16:28

**Modality** :CR

**Ref Doctor** :OTCRAD

**BILLING CODE:**

MAMMOGRAPHY (UP TO FOUR VIEWS)

**PROCEDURE AND FINDINGS:**

BILATERAL MAMMOGRAM

**CLINICAL INFORMATION** : c/o significant weight loss for 3 months. TRO underlying malignancy.

Mammograms were performed in compressed craniocaudal (CC) and compressed oblique (MLO) projections.

Both breasts are symmetrical and equal. There is moderately dense, prominent fibroglandular tissue distributed throughout both breasts, particularly in subareolar regions.

No dominant mass lesions or architectural distortions.

No significant clusters of microcalcifications.

No skin thickening / puckering.

No nipple retraction.

The retromammary fat are clear.

Benign axillary lymph nodes seen.

**IMPRESSION**

Moderately dense breasts. No obvious mammographic evidence of malignancy. BIRADS 1. Ultrasound is recommended.

Recommend routine mammogram yearly, clinical evaluation and breast self-examination.

Please bring along all mammography films for comparison on your next mammography visit.

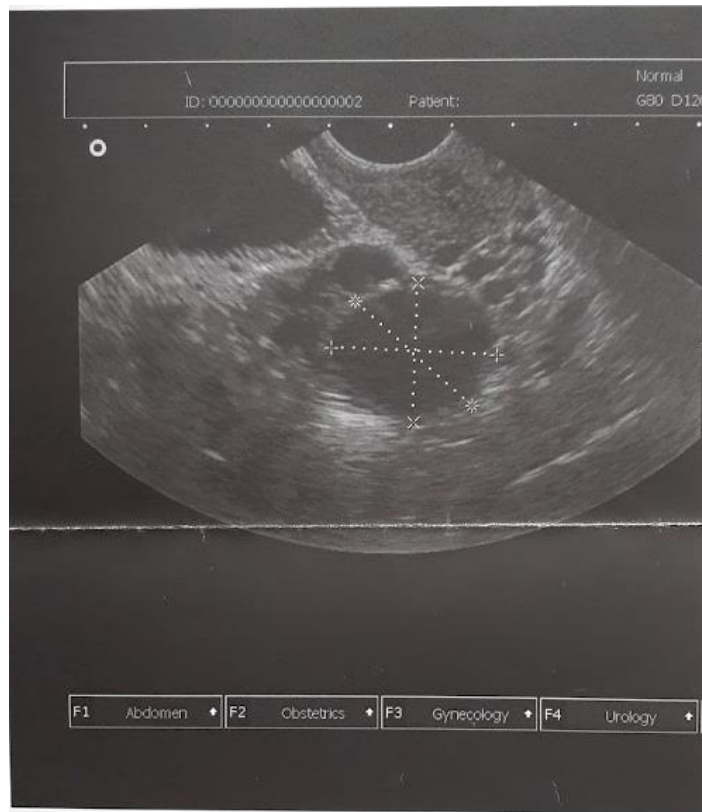
**Disclaimer:**

The false negative rate of mammography varies from 5-15%. Management of a palpable abnormality must be based upon clinical grounds.

For any further explanation please visit <http://www.cancer.org>

**REPORTED BY :**

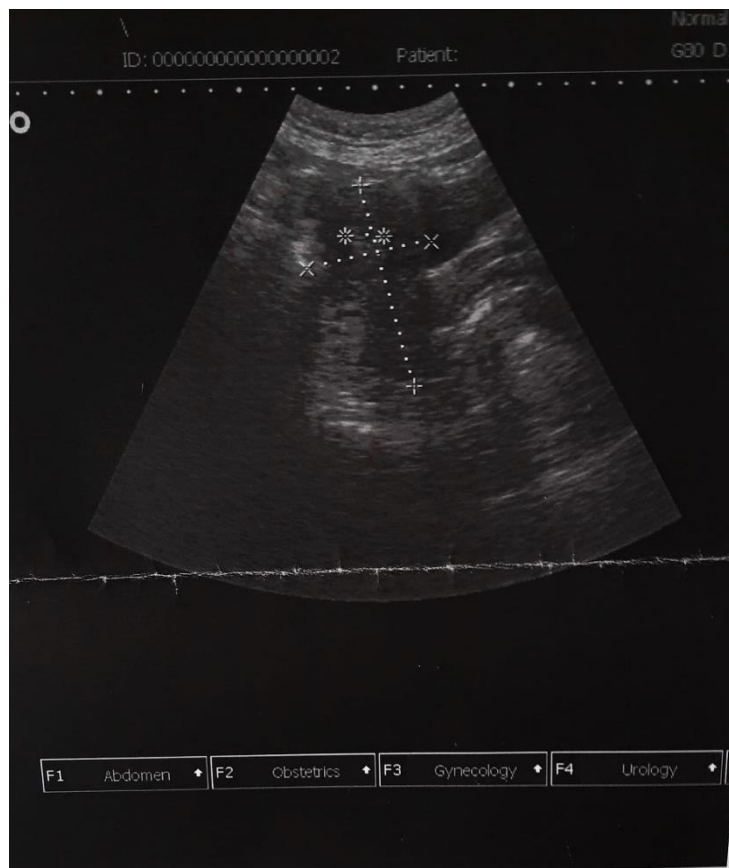




RT ovary simple cyst  
size (3.0 cm x 2.8 cm)  
no free fluid in RT abdomen

file://D:\kya65\PatientDoc\00000002\20190913 163445.png

9/13/2019



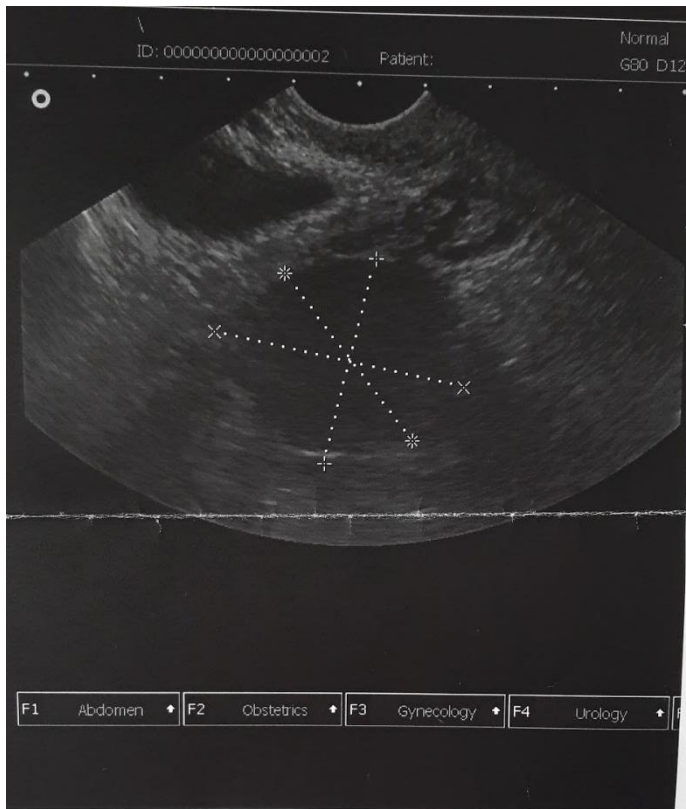
normal empty RV kidney  
size (7.5 x 3.4 cm)  
no focal lesion  
normal parenchyma

file://D:\kya65\PatientDoc\00000002\20190913 163950.png

9/13/2019

enlarged spleen 8.02 cm





LE ov. simple cyst  
(4.1 x 3.5 x 3.2 cm)  
no free fluid in lo. abd.

\\kya65\PatientDoc\000000002\20190913 163522.png

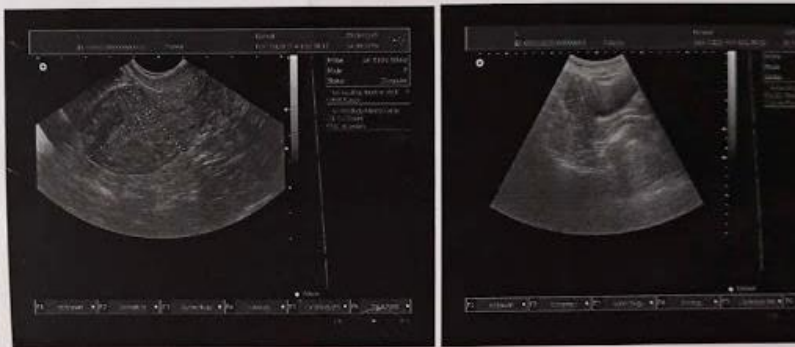
9/13/2019

- Carb. J v3 1x1 Lx  
3 day. (Gizil)

- Carb. J b cream  
1x3 Lx 7 day.

- normal sachets 1x2  
Lx 5 day.

- Lmp 5-11-2019



It:

Normal Empty AIV uterus.  
Size (7.50 x 3.10 cm)  
Endometrium 8.78 mm.

Conclusion:

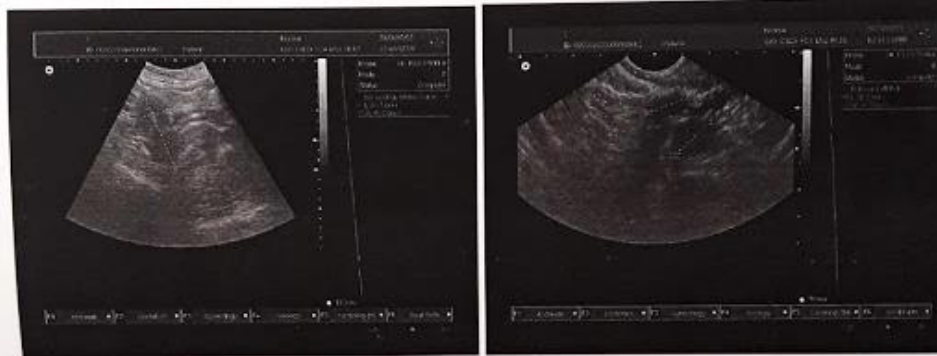
no focal lesion  
normal parametrium.  
Rt & Lr ov. both look normal  
no free fluid in both abdomen.

Doctor (signature or seal):

## Lab Test History

No	Test Name / Parameter Name	Unit	RefRange	Result
	DENGUE NS1			18/12/2019
1	DENGUE NS1	-	NEGATIVE	NEGATIVE
	FBC - FULL BLOOD COUNT			18/12/2019
2	WBC	$10^9/L$	4.00 - 11.00	3.97
3	NEU#	$10^9/L$	2.00 - 7.00	3.28
4	LYM#	$10^9/L$	0.80 - 4.00	0.37
5	MON#	$10^9/L$	0.12 - 1.20	0.30
6	EOS#	$10^9/L$	0.02 - 0.50	0.01
7	BAS#	$10^9/L$	0.00 - 0.10	0.01
8	NEU%	%	50.0 - 70.0	82.4
9	LYM%	%	20.0 - 40.0	9.3
10	MON%	%	3.0 - 12.0	7.6
11	EOS%	%	0.5 - 5.0	0.3
12	BAS%	%	0.0 - 1.0	0.4
13	RBC	$10^{12}/L$	3.50 - 5.50	4.43
14	HB - HEMOGLOBIN	g/dl	12 - 16	11.6
15	HCT	%	37.0 - 54.0	35.2
16	MCV	fL	80.0 - 100.0	79.4
17	MCH	pg	27.0 - 34.0	26.2
18	MCHC	g/L	320 - 360	330
19	RDW-CV	%	11.0 - 16.0	12.6
20	RDW-SD	fL	35.0 - 56.0	36.0
21	PLT	$10^9/L$	150 - 450	182
22	MPV	fL	6.5 - 12.0	7.9
23	PDW	-	15.0 - 17.0	15.4
24	PCT	mL/L	1.08 - 2.82	1.43
25	P-LCC	$10^9/L$	30 - 90	25
26	P-LCR	%	11.0 - 45.0	13.9

- Lmp. 21.6.20 -  
available checkup



result:

Normal Empty AU uterus  
(7.30 x 3.55 cm)  
Endometrial thickness 11.50mm  
No Focal lesion

Conclusion:

Normal paraovarian  
RT & LS ovaries - both normal  
No free fluid in both adnexa

Doctor (signature or seal):

RESULTS: TEL 3342 2828

Service Date: 26/08/2020

**[ THYROID SCREENING TEST 甲状腺检查 ]**

	SI Result	SI Ranges	Conv Result	Conv Ranges
* Thyroid Stimulating Hormone	4.28	[ 0.27 - 4.20 ] mU/L		

Note:

Assays for thyroid function tests are subject to biotin interference. Patients receiving therapy with high Biotin doses (i.e. > 5 mg / day) should have their blood taken only after 8 hours following the last Biotin administration.

**[ HORMONE STUDIES ]****[ PITUITARY PROFILE ]**

	SI Result	SI Ranges	Conv Result	Conv Ranges
Follicle Stimulating Hormone	19.8		IU/L	
Luteinising Hormone 促黄体素	32.1		IU/L	
Prolactin 泌乳激素	503.2	[ 127.2 - 633.9 ] mIU/L		
Growth Hormone	6.7	[ .0 - 8.0 ]	ng/mL	

Ranges	Follicular	Ovulatory	Luteal	Postmenopause
LH	2.4 - 12.6	14.0 - 96.0	1.0 - 11.4	7.7 - 59
FSH	3.5 - 12.5	4.7 - 21.5	1.7 - 7.7	25.8 - 134.8
Estradiol	0.10 - 0.57	0.18 - 1.15	0.12 - 1.09	0.02 - 0.18
Progesterone	0.181 - 2.84	0.385 - 38.1	5.82 - 75.9	0.159 - 0.401

Note : Please note there has been a change in the Progesterone assay and reference interval effective from 30/08/2016