

AFOA , Matauaina  
21/13 York Street EMU PLAINS 2750  
Phone: 0415993427

Birthdate: 28/12/1981 Sex: F Medicare Number: 33695901691

Your Reference: 2025QR0119137 Lab Reference: 2025QR0119137

Laboratory: nepeanra

Addressee: Dr Kanagalingam Suthaharan Referred by: Dr Kanagalingam Suthaharan

Name of test: US Pelvis - Female, X-Ray Left Knee

Requested 29/04/2025 Collected: 30/04/2025 Reported: 01/05/2025 20:53:00



**AFOA, Matauaina**

Address: 21/13 York Street NSW 2750 Patient Id: 222617

DOB: 28/12/1981

Phone: 0415993427

Accession #: 2025QR0119137

Gender: F

Exam Date: 30-04-2025 14:17:00

[Click here to view images](#)

#### X-RAY LEFT KNEE

**Clinical history:** Pain.

**Comparison:** None available.

#### Findings:

No fracture or other focal bony abnormality is demonstrated.

The bone alignment is within normal limits. There is no joint effusion.

**Note: MRI scan is suggested to evaluate any internal derangement.**

#### PELVIC ULTRASOUND

**Clinical history:** Left iliac fossa pain.

**Comparison:** None available.

**Technique:** Transabdominal and transvaginal scans have been performed.

#### Findings:

The uterus is anteverted, in the midline and measures 9.7 x 4.9 x 5.3cm. The myometrium is heterogeneous in echotexture.

The endometrial echo complex is not thickened, measuring 12mm, in the proliferative phase.

Both ovaries are well visualised and outline normally.

The right ovary has a volume of 5cc and the left ovary is enlarged, has a volume of 45cc.

No abnormal adnexal lesions are demonstrated.

There is no free fluid in the pouch of Douglas.

**Impression:**

Heterogeneous uterus with no focal lesion.

Bulky left ovary without any focal lesion.

Yours sincerely,

Dr. Pon Ketheswaran  
MBBS, FRANZCR

Electronically signed by Dr. Pon Ketheswaran

[Click here to view images](#)

AFOA , Matauaina  
21/13 York Street EMU PLAINS 2750  
Phone: 0415993427

Birthdate: 28/12/1981 Sex: F Medicare Number: 33695901691

Your Reference: 2025QR0146455 Lab Reference: 2025QR0146455-1

Laboratory: nepeanra

Addressee: Dr Kanagalingam Suthaharan Referred by: Dr Kanagalingam Suthaharan

Name of test: US Neck Thyroid Parotid

Requested 22/05/2025 Collected: 26/05/2025 Reported: 27/05/2025 12:50:00



<b>AFOA, Matauaina</b>	Address: 21/13 York Street NSW 2750	Patient Id: 222617
DOB: 28/12/1981	Phone: 0415993427	Accession #: 2025QR0146455-1
Gender: F		Exam Date: 26-05-2025 15:58:00

[Click here to view images](#)

## ULTRASOUND THYROID/NECK

Clinical history: ? Goitre.

### Findings:

The thyroid gland is enlarged but there is no retrosternal extension. The right lobe measures 15 cc and the left lobe measures 12 cc in volume. The isthmus has a thickness of 3.5 mm.

The thyroid gland appears homogeneous and demonstrates normal vascularity.

There is a 2 mm cystic nodule in the mid portion of the right lobe of thyroid gland with TI-RADS of 1. No other thyroid nodule is identified.

No cervical lymphadenopathy on either side. Bilateral submandibular and parotid glands outline normally.

### CONCLUSION:

The thyroid gland is mildly enlarged but there is no retrosternal extension. There is 2 mm nodule in the mid portion of the right lobe of thyroid gland with TI-RADS of 1.

TR1 - Benign	No FNA
TR2 - Not Suspicious	No FNA
TR3 - Mildly Suspicious	More than 1.5cm for Follow up

	More than 2.5cm for FNA	
TR4 - Moderately Suspicious	More than 1cm for Follow up	
	More than 1.5cm for FNA	
TR5 - Highly Suspicious	FNA	

Yours sincerely,

Dr. Sandeep Tiwari  
MBBS, MRCS (Edinburgh), FRCR, FRANZCR

Electronically authorised by Dr. Sandeep Tiwari

[Click here to view images](#)

AFOA , Matauaina  
21/13 York Street EMU PLAINS 2750  
Phone: 0415993427

Birthdate: 28/12/1981 Sex: F Medicare Number: 33695901691

Your Reference: 2025QR0151029 Lab Reference: 2025QR0151029-1

Laboratory: nepeanra

Addressee: Dr Kanagalingam Suthaharan Referred by: Dr Kanagalingam Suthaharan

Name of test: MRI Left Knee-GP Referred - Adult 16-49yrs

Requested 27/05/2025 Collected: 04/06/2025 Reported: 10/06/2025 01:06:00



<b>AFOA, Matauaina</b>	Address: 21/13 York Street NSW 2750	Patient Id: 222617
DOB: 28/12/1981	Phone: 0415993427	Accession #: 2025QR0151029-1
Gender: F		Exam Date: 04-06-2025 17:30:00

[Click here to view images](#)

## MRI LEFT KNEE

The anterior and posterior cruciate ligaments remain intact.

In the medial compartment, the medial meniscus is intact. The articular cartilage is preserved. The MCL remains intact.

In the lateral compartment, the lateral meniscus is intact. The articular cartilage is preserved. The lateral collateral ligament complex is intact.

In the patellofemoral compartment, the quadriceps tendon and patellar tendon remain intact. There is a partial thickness chondral fissuring on the apex of the patella with no significant suprapatellar joint effusion. The lateral patellar cartilage is preserved.

Posteriorly, there is a tiny Baker's cyst. The pes anserinus tendons remain intact.

## IMPRESSION:

No acute meniscal tear.

Chondropathy of the patella.

Yours sincerely

Dr K. Ho  
FRANZCR

Electronically signed by Dr. K. Ho

[Click here to view images](#)

AFOA, MATAUAINA A  
21/13 YORK STREET, EMU PLAINS. 2750  
Phone: 0415993427  
Birthdate: 28/12/1981 Sex: F Medicare Number: 33695901691  
Your Reference: Lab Reference: 25-14602769-HOR-0  
Laboratory: 4Cyte Pathology  
Addressee: Dr KANAGALINGAM SUTHAHARAN Referred by: Dr KANAGALINGAM  
SUTHAHARAN

Name of Test: Hormones  
Requested: 05/12/2024 Collected: 02/01/2025 Reported: 02/01/2025  
15:53

Clinical Notes: ? menopausal. non-fasting.  
Pathologist: A/Prof P. Stewart

**Reproductive Hormones (Serum)**

Coll Date: 02/01/25  
Coll Time: 10:22  
Lab Number: 14602769

FSH 8.6 IU/L  
Oestradiol 411 pmol/L

	Luteal	Mid cycle	Follic.	Pregnant	Menopause
LH	0.5-17.0	9.0-76.0	2.0-12.0	<0.1-1.5	16.0-54.0
FSH	1.5-9.0	3.0-33.0	2.5-10.0	<0.3	23.0-116.0
E2	285-786	235-1309	72-529		<118
PRG	10.0-80.0	14.1-89.1	<4.5		<2.3

Tests to follow: All Tests now completed

AFOA, MATAUAINA  
 21/13 YORK ST, EMU PLAINS. 2750  
 Phone: 0415993427  
 Birthdate: 28/12/1981 Sex: F Medicare Number: 3369590169  
 Your Reference: 00093614 Lab Reference: 891933323-C-Biochemistry  
 Laboratory: Douglass Hanly Moir Pathology  
 Addressee: DR KANAGALINGAM SUTHAHARAN Referred by: DR KANAGALINGAM  
 SUTHAHARAN

Name of Test: Biochemistry  
 Requested: 21/05/2025 Collected: 22/05/2025 Reported: 22/05/2025  
 15:56

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

# BIOCHEMISTRY

Date	31/07/18	14/08/18	13/05/23	22/05/25		
Time F-Fast	1010	0915 F	1108	1216 F		
Lab ID	278827118	278827146	886830525	891933323	Units	Reference
Status						
Bili.Total	6	6	11	9	umol/L	(3-15)
ALP	63	54	86	60	U/L	(20-105)
GGT	35	25	H 89	H 40	U/L	(5-35)
LD	176	124	179	146	U/L	(120-250)
AST	21	17	H 45	17	U/L	(10-35)
ALT	H 32	19	H 68	20	U/L	(5-30)
Total Protein	73	73	74	73	g/L	(68-85)
Albumin	42	42	45	47	g/L	(37-48)
Globulin	31	31	29	26	g/L	(23-39)
Cholesterol				4.4	mmol/L	(<5.5)
Triglycerides				1.0	mmol/L	(<2.0)

Tests Completed: LFT(s),Lipids HDL(s)  
 Tests Pending : Iron(s),TSH(s),Thyroid Abs(s)  
 Sample Pending :



AFOA, MATAUAINA  
21/13 YORK ST, EMU PLAINS. 2750  
Phone: 0415993427  
Birthdate: 28/12/1981 Sex: F Medicare Number: 3369590169  
Your Reference: 00093614 Lab Reference: 891933323-C-HDL  
Laboratory: Douglass Hanly Moir Pathology  
Addressee: DR KANAGALINGAM SUTHAHARAN Referred by: DR KANAGALINGAM  
SUTHAHARAN

Name of Test: Lipids HDL(s)  
Requested: 21/05/2025 Collected: 22/05/2025 Reported: 22/05/2025  
15:56

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

#### Lipids and HDL

Status	Fasting
Cholesterol	4.4 mmol/L ( <5.5 )
Triglycerides	1.0 mmol/L ( <2.0 )
HDL Cholesterol	1.4 mmol/L ( >1.2 )
LDL Cholesterol	2.6 mmol/L ( <3.0 )
Non-HDL Cholesterol	3.0 mmol/L ( <4.0 )

Comment on Lab ID 891933323

Please note that the above reference limits are decision limits.  
A flag based on these limits is an indication to review the absolute  
cardiovascular risk for the patient. For assessment of absolute  
cardiovascular disease risk please see [www.cvdcheck.org.au](http://www.cvdcheck.org.au)

The above decision limits are based on the European Atherosclerosis Society  
(EAS) and European Federation of Clinical Chemistry and Laboratory Medicine  
(EFLM) Consensus Statement 2016 and the Australasian Association of  
Clinical Biochemistry and Laboratory Medicine (AACB) Lipid Reporting  
Guideline 2018.

Lipid treatment targets for patients at high risk of cardiovascular  
disease:

Total cholesterol	<4.0 mmol/L
Triglyceride	<2.0 mmol/L
HDL cholesterol	>1.0 mmol/L
LDL cholesterol	<2.5 mmol/L (<1.8 mmol/L for very high risk)
Non-HDL cholesterol	<3.3 mmol/L (<2.5 mmol/L for very high risk)

High risk - Primary prevention      Very high risk - Secondary prevention

Target values from the AACB Lipid Reporting Guideline 2018.

Please note that as there is a continuum of risk, benefits are obtained for  
any measured lipid components moving towards and beyond the various target  
levels.

Tests Completed: LFT(s), Lipids HDL(s)  
Tests Pending : Iron(s), TSH(s), Thyroid Abs(s)  
Sample Pending :



AFOA, MATAUAINA  
21/13 YORK ST, EMU PLAINS. 2750  
Phone: 0415993427  
Birthdate: 28/12/1981 Sex: F Medicare Number: 3369590169  
Your Reference: 00093614 Lab Reference: 891933323-E-Thyroid

Function

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR KANAGALINGAM SUTHAHARAN Referred by: DR KANAGALINGAM  
SUTHAHARAN

Name of Test: Thyroid Function

Requested: 21/05/2025 Collected: 22/05/2025 Reported: 22/05/2025  
20:56

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

TFT

Date	10/07/18	22/05/25		
Time F-Fast	0945	1216 F		
Lab ID	278826755	891933323	Units	Reference
TSH	0.40	L 0.18	mIU/L	
(0.40-3.50)				
Free T4	10.9		pmol/L	(9.0-19.0)

Comments on Collection 22/05/25 1216 F:  
? History of (treated) thyroid disease.  
TSH is borderline. Suggest review in one month.

Tests Completed: LFT(s), Iron(s), Lipids HDL(s), TSH(s), Thyroid Abs(s)  
Tests Pending :  
Sample Pending :

AFOA, MATAUAINA  
21/13 YORK ST, EMU PLAINS. 2750  
Phone: 0415993427  
Birthdate: 28/12/1981 Sex: F Medicare Number: 3369590169  
Your Reference: 00093614 Lab Reference: 891933323-C-Iron Studies  
Laboratory: Douglass Hanly Moir Pathology  
Addressee: DR KANAGALINGAM SUTHAHARAN Referred by: DR KANAGALINGAM  
SUTHAHARAN

Name of Test: Iron Studies  
Requested: 21/05/2025 Collected: 22/05/2025 Reported: 22/05/2025  
20:56

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

#### Iron Studies

Iron	13.7	umol/L	( 5.0 - 30.0 )
Transferrin	3.1	g/L	( 2.0 - 3.6 )
TIBC (Calculated)	68	umol/L	( 46 - 77 )
Saturation	20	%	( 10 - 45 )
Ferritin	22	ug/L	( 15 - 200 )

Comment on Lab ID 891933323

Serum ferritin levels between 15-30 ug/L may reflect depleted iron stores  
and iron therapy may be indicated.

Tests Completed: LFT(s), Iron(s), Lipids HDL(s), TSH(s), Thyroid Abs(s)  
Tests Pending :  
Sample Pending :

AFOA, MATAUAINA  
21/13 YORK ST, EMU PLAINS. 2750  
Phone: 0415993427  
Birthdate: 28/12/1981 Sex: F Medicare Number: 3369590169  
Your Reference: 00093614 Lab Reference: 891933323-C-Tg or Thy Ab  
Laboratory: Douglass Hanly Moir Pathology  
Addressee: DR KANAGALINGAM SUTHAHARAN Referred by: DR KANAGALINGAM  
SUTHAHARAN

Name of Test: Tg &/or Thy Ab (s)  
Requested: 21/05/2025 Collected: 22/05/2025 Reported: 22/05/2025  
20:56

Clinical notes: NO HISTORY

Clinical Notes : NO HISTORY

**Thyroglobulin and/or Thyroid Antibodies**

Thyroglobulin Ab	2.6	IU/mL	(	<4.1	)
Thyroid Peroxidase Ab	<0.5	IU/mL	(	<5.6	)

Comment on Lab ID 891933323

Tests Completed: LFT(s), Iron(s), Lipids HDL(s), TSH(s), Thyroid Abs(s)  
Tests Pending :  
Sample Pending :

AFOA, MATAUAINA A

21/13 YORK STREET, EMU PLAINS. 2750

Phone: 0415993427

Birthdate: 28/12/1981 Sex: F Medicare Number: 33695901691

Your Reference: Lab Reference: 25-15777951-GHB-0

Laboratory: 4Cyte Pathology

Addressee: Dr KANAGALINGAM SUTHAHARAN Referred by: Dr KANAGALINGAM SUTHAHARAN

Name of Test: HbA1c

Requested: 02/06/2025 Collected: 03/06/2025 Reported: 03/06/2025  
16:35

Clinical Notes: iddm.

**Diabetic Testing (Whole Blood)**

Coll Date: 15/11/24 03/06/25

Coll Time: 10:26 10:32

Lab Number: 14263370 15777951

HbA1c (NGSP)	5.4	5.9	(4.0-5.9)	%
HbA1c (IFCC)	35	41	(20-41)	mmol/mol

Generally target HbA1c <7.0%, however goal should be individually tailored by clinician considering risk of hypoglycaemia. Recommend measuring: a) microalbumin as no laboratory record over past 12 months and b) HbA1c in 6 months for stable patients meeting control goals, or in 3 months if changing therapy.

Tests to follow: DSM,BSL

AFOA, MATAUAINA A  
21/13 YORK STREET, EMU PLAINS. 2750  
Phone: 0415993427  
Birthdate: 28/12/1981 Sex: F Medicare Number: 33695901691  
Your Reference: Lab Reference: 25-15777951-GLM-0  
Laboratory: 4Cyte Pathology  
Addressee: Dr KANAGALINGAM SUTHAHARAN Referred by: Dr KANAGALINGAM  
SUTHAHARAN

Name of Test: Glucose  
Requested: 02/06/2025 Collected: 03/06/2025 Reported: 03/06/2025  
23:25

Clinical Notes: iddm.  
Pathologist: A/Prof P. Stewart

**Glucose (Serum)**

Coll Date:	15/11/24	03/06/25
Coll Time:	10:26	10:32
Lab Number:	14263370	15777951

Glucose Fasting 6.6 H 6.6 H (3.0-5.4) mmol/L

Glucose result indicative of moderate control.

Tests to follow: DSM

AFOA, MATAUAINA A  
21/13 YORK STREET, EMU PLAINS. 2750  
Phone: 0415993427  
Birthdate: 28/12/1981 Sex: F Medicare Number: 33695901691  
Your Reference: Lab Reference: 25-15777951-DSM-0  
Laboratory: 4Cyte Pathology  
Addressee: Dr KANAGALINGAM SUTHAHARAN Referred by: Dr KANAGALINGAM  
SUTHAHARAN

Name of Test: Diabetic Sum  
Requested: 02/06/2025 Collected: 03/06/2025 Reported: 04/06/2025  
00:14

Clinical Notes: iddm.  
Pathologist: A/Prof P. Stewart

#### Diabetic Summary

Coll Date: 15/11/24 03/06/25  
Coll Time: 10:26 10:32  
Lab Number: 14263370 15777951

#### BLOOD SUGAR CONTROL

Glucose Random			(3.0-7.7)	mmol/L
Glucose Fasting	6.6 H	6.6 H	(3.0-5.4)	mmol/L
Fructosamine			(205-285)	umol/L
HbA1c (NGSP)	5.4	5.9	(4.0-5.9)	%
HbA1c (IFCC)	35	41	(20-41)	mmol/mol

#### CARDIOVASCULAR

Status	Fasting			
Cholesterol	4.4		(< 5.6)	mmol/L
Triglyceride	1.1		(< 2.1)	mmol/L
HDL-c	1.6		(> 1.1)	mmol/L
LDL-c	2.3		(< 3.1)	mmol/L
TC/HDL-c	2.8		(< 4.5)	
Non-HDL-c	2.8		(< 4.1)	mmol/L

#### RENAL FUNCTION

Creatinine	60		(45-90)	umol/L
eGFR	> 90		(> 59)	
Ur.Albumin				mg/L
Ur.Creatinine				mmol/L
Albumin/Creat			(< 3.5)	mg/mmol

Tests to follow: All Tests now completed



AFOA, MATAUAINA A  
21/13 YORK STREET, EMU PLAINS. 2750  
Phone: 0476121714  
Birthdate: 28/12/1981 Sex: F Medicare Number: 33695901691  
Your Reference: Lab Reference: 25-15958907-BRP-0  
Laboratory: 4Cyte Pathology  
Addressee: Dr NAGARATNAM RAVIMOHAN Referred by: Dr NAGARATNAM  
RAVIMOHAN

Name of Test: Respiratory Bacterial Pcr  
Requested: 25/06/2025 Collected: 25/06/2025 Reported: 25/06/2025  
21:31

Clinical Notes: upper respiratory tract infection  
Pathologist: Dr P. James

**Respiratory Bacterial Pathogens PCR (Swab)**

Anatomical Site Nasal/NP/Throat

M.pneumoniae	Not detected
C.pneumoniae	Not detected
B.pertussis	Not detected
B.parapertussis	Not detected
L.pneumophila	Not detected

Tests to follow: All Tests now completed