

CLINICAL NOTES: thyroid

ENDOCRINOLOGY

THYROID FUNCTION TEST  
SPECIMEN: SERUM

Date: 06/06/24 26/04/24  
31/01/23  
Coll. Time: 09:17 09:40  
13:30  
Lab Number: 90358088 86189651  
74723403

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Free T4 \* 25.8 \* < 5.0  
16.4 (9.0 - 20.0) pmol/L  
TSH \* 6.53 \*\*\* 69.01 \*  
4.87 (0.40 - 4.00)mIU/L  
Free T3 5.1  
(3.5 - 6.5) pmol/L

90358088 History of hypothyroidism.  
Specialist management noted.

Validated by Dr. P. Stanford

THA-W FT3-C FT4-C TFT-C

This request has other tests in progress at  
the time of reporting

Panel Free Text

Validated by Dr. P. Stanford

Free thyroxine (FT4)	25.8	pmol/L	9.0 - 20.0	abnormal
Thyroid Stimulating Hormone	6.53	mIU/L	0.40 - 4.00	abnormal
Free Tri-iodothyronine (FT3)	5.1	pmol/L	3.5 - 6.5	normal
Comment:	History of hypothyroidism. Specialist management noted.			

**Patient Details**

Patient name: Ms Lisa Bradley

DOB: 11/06/1971

Gender: Female

Address: 110 Cosimo Drive WOODVALE  
WA, 6026

Medicare Number:  
6281325382

Contact: 0439 034  
491

CLINICAL NOTES: thyroid

BIOCHEMISTRY - THYROID AUTOANTIBODIES - CUMULATIVE  
SPECIMEN: SERUM

Date	Lab Number	aTGII
aTPO		(IU/ml)
(U/ml)		(< 4.5)
60)		(<
-----		
06/06/24	90358088 *	4.6 *
79		

Key:

aTGII - anti-thyroglobulin antibodies

aTPO - anti-thyroid peroxidase antibodies

Anti-ThyroGlobulin assay (aTGII) is standardised to the WHO International

Reference Preparation, Human (NIBSC 65/093) and is performed on the

Siemens Centaur/Atellica Immunoassay systems.

Elevated thyroid antibody levels. This may be associated with auto-immune thyroid disease.

THA-C FT3-R FT4-R TFT-R

All tests on this request have now been completed

Thyroid peroxidase antibody	79	U/mL	< 60	abnormal
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Comment: Elevated thyroid antibody levels. This may be associated with auto-immune thyroid disease.

Thyroglobulin antibodies	4.6	IU/mL	< 4.5	abnormal
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Key:

aTGII - anti-thyroglobulin antibodies

aTPO - anti-thyroid peroxidase antibodies

COMMENT Anti-ThyroGlobulin assay (aTGII) is standardised to the WHO International Reference Preparation, Human (NIBSC 65/093) and is performed on the Siemens Centaur/Atellica Immunoassay systems.

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CLINICAL NOTES: 2 weekly monitoring

BIOCHEMISTRY - THYROID AUTOANTIBODIES - CUMULATIVE  
SPECIMEN: SERUM

Date	Lab Number	aTGII	
aTPO		(IU/ml)	
(U/ml)		(< 4.5)	(< 60)
-----			
06/06/24	90358087	4.4	*
06/06/24	90358088 *	4.6	*

Key:

aTGII - anti-thyroglobulin antibodies

aTPO - anti-thyroid peroxidase antibodies

Anti-ThyroGlobulin assay (aTGII) is standardised to the WHO International

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Elevated thyroid peroxidase antibody level. This may be associated with

auto-immune thyroid disease. TSH receptor antibodies to follow.

THA-C TSI-V TSR-W TFT-R FT4-R

This request has other tests in progress at the time of reporting

Thyroid  
peroxidase  
antibody

72

U/mL

<  
60

abnormal

Comment:

Elevated thyroid peroxidase antibody level. This may be associated with auto-immune thyroid disease. TSH receptor antibodies to follow.

Thyroglobulin  
antibodies

4.4

IU/mL

<  
4.5

normal

Key:

aTGII - anti-thyroglobulin antibodies

aTPO - anti-thyroid peroxidase antibodies

COMMENT

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IMMUNOLOGY

SPECIMEN: SERUM

TSH RECEPTOR ANTIBODIES

Date	Lab No.	TSH Receptor Antibodies
06/06/24	90358087	1.1
1.8)	IU/L	(<

# The following results on this sample have been reported in detail, and are reproduced here in abbreviated form for your convenience.

Thyroid peroxidase ab. titre	72	
( 0 - 59)		
Free Thyroxine (FT4)	24.3	pmol/L
(9.00 - 20.00)		
Thyroid Stimulating Hormone	5.96	mIU/L
(0.40 - 4.00)		

As of the 18/11/19 a new anti-TSH Receptor Antibody is in use. This

assay has an increased tolerance to Biotin interference.

THA-R TSI-V TSR-C TFT-R FT4-R

This request has other tests in progress at the time of reporting

TSH Receptor antibodies	1.1	IU/L	< 1.8	normal
Thyroid peroxidase ab. titre	72		0 - 59	normal
FT4	24.3	pmol/L	9.00 - 20.00	normal
TSH	5.96	mIU/L	0.40 - 4.00	normal
ASSAY COMMENT	As of the 18/11/19 a new anti-TSH Receptor Antibody is in use. This assay has an increased tolerance to Biotin interference.			

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BIOCHEMISTRY

THYROID STIMULATING IMMUNOGLOBULINS (TSI)  
SPECIMEN: SERUM

TSH Receptor	Thyroid Stimulating	
Date	Lab Number	Immunoglobulins (TSI)
Antibody IU/L (< 1.8)		IU/L (< 0.55)

06/06/24	90358087	0.19
1.1		

COMMENT: The manufacturer of the TSI assay, currently in use at ACL, reports clinical sensitivity and specificity for untreated Graves disease, of 98.3% and 99.7% respectively, while for TRAb the reported sensitivity is 96 % and the specificity is 99 %.

THA-R TSI-C TSR-R TFT-R FT4-R

All tests on this request have now been completed

TSH Immunoglobulins (TSI)	0.19	IU/L	< 0.55	normal
TSH Receptor antibodies	1.1	IU/L	< 1.8	normal

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BIOCHEMISTRY

THYROID STIMULATING IMMUNOGLOBULINS (TSI)  
SPECIMEN: SERUM

TSH Receptor	Thyroid Stimulating	
Date	Lab Number	Immunoglobulins (TSI)
Antibody IU/L (< 1.8)		IU/L (< 0.55)
06/06/24	90358087	0.19
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Perth Radiological Clinic

This report is for: Dr I. Badshah

Referred By:

Dr S. Carter

Copies:

Dr I. Badshah

ULTRASOUND THYROID FNA 12/06/2024 Reference: 14865605

PACS ID: IDC619X

PRC ID: JH762246

ULTRASOUND-GUIDED FINE-NEEDLE ASPIRATION RIGHT INTERPOLAR THYROID  
NODULE

Technique: Using ultrasound guidance and sterile technique the nodule in the interpolar region of the right thyroid was subjected to fine-needle aspiration and the cells sent for cytology and cellblock. No complications experienced during or directly after the procedure.

Radiologist: Dr Thornton Abbott

Perth Radiological Clinic PRC Shenton House

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