

Results

DAN (DIAGNOSTIC ANDROLOGY)

Partner:

ANDROLOGY REPORT

	Analysis Results	Expected Range
Date of Test	15/11/23	W.H.O (2010) 5th Ed.
Time Examination Delay	40 minutes	(1 hour)
Abstinence (days)	4	(2-7 days)
Sample Spillage	Nil	(Nil)
Analysis Temperature	Room temperature	(degrees C)
Specimen Collection Method	Masturbation	

SEMEN EXAMINATION

Semen Volume	2.3 mL	(>1.5 mL)
Semen pH	8.5	(>7.2)
Leucocytes	<1 M/ml	(<1 M/mL)
Colour	Opaque	
Liquefaction	Complete	
Additional Treatment	No	
Viscosity	<2	(<2)
Aggregation	Nil	

SPERM PARAMETERS

Sperm Concentration	Nil seen	M/ml	L	(>15 M/mL)
Total Sperm per Ejaculate	Nil seen	Million	L	(>39 M)

Nil sperm seen across glass slide post centrifugation. Unable to proceed with motility and morphology tests due to nil sperm.

This test was performed at VHSD - The Fertility Centre Liverpool Lab.
Corporate Site Number: 21612 Suite 301, Level 3, 1 Moore Street LIVERPOOL
NSW 2170

Patient Details:

Patient Name:	Halkias Christopher (Male)
Address:	342 Bexley Road, BEXLEY NORTH NSW 2207
DOB:	15/11/1994

Investigation:

Universal Service Identifier Text:	DIAGNOSTIC ANDROLOGY
Number:	23-1844449-DAN-0
Request By:	SHADI KHASHABA 4737387X
Collected Date:	15/11/2023 10:50 AM
Reported Date:	15/11/2023 12:11 PM

Other:

Laboratory:	Virtus Diagnostics
Laboratory Order Number:	23-1844449-DAN-0

Results

INH (INHIBIN)

CLINICAL NOTES:

TEST NAME: INHIBIN

This test was performed by:
Sullivan & Nicolaides Pathology
Best Street
Bowen Hills, QLD, 4006
Tel: (07) 3377 8666 Fax: (07) 3870 0549

Test was referred on 21/10/23

Our records show a hard copy of this report has been dispatched to the surgery

BG-R BGC-N HCR-R MAL-R HIV-R FAI-R CTU-R FBE-R HEP-R NGU-R T

All tests on this request have now been completed

Patient Details:

Patient Name: Halkias Christopher (Male)
Address: 342 BEXLEY RD, BEXLEY NORTH NSW 2207
DOB: 15/11/1994

Investigation:

Universal Service Identifier Text: INHIBIN
Collected Date: 20/10/2023 11:15 AM
Reported Date: 07/11/2023 05:16 PM

Other:

Laboratory: AUSTRALIAN CLINICAL LABS
Laboratory Order Number: 23-82953845-INH-0

DR SHADI A KHASHABA
IVF AUSTRALIA ALEXANDRIA
LEVEL 3
15 BOWDEN ST
ALEXANDRIA NSW 2015



**Sullivan
Nicolaides**
PATHOLOGY

SULLIVAN NICOLAIDES PTY LTD
ABN 35 078 202 196
NATA RCPA Accreditation No 1964

This facsimile is intended for the referrer specified above. The contents are confidential and contain legally privileged information. If you have received this document in error, please telephone Sullivan Nicolaides Pathology immediately on 07 3377 8666 or 1800 777 877 (for callers outside the Brisbane metropolitan area).

Patient	HALKIAS Christopher Ph 0406041974	DOB	15-Nov-1994	Requested	20-Oct-2023
Address	342 Bexley Rd. Bexley North 2207	Age	28 Yrs Sex M	Collected	20-Oct-2023 11:15 hrs
Ref by	Dr Shadi A Khashaba cc C Australian Clinical Labs	Lab	672876695	Printed	27-Oct-2023 14:23 hrs

Lab Brisbane
Enquiries Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Inhibin B 33 (10 320) ng/L

Comments:

Inhibin B:

In males, Inhibin B is produced by the sertoli cells of the testis in support of spermatogenesis.

Low levels of Inhibin B usually indicate reduced spermatogenesis.

Inhibin B performed using Beckman DSL Gen II.

Please contact a Chemical Pathologist on (07) 3377-8666 if Inhibin B result is clinically discordant.

Result **S-Inhibin B** Collected 20 Oct 2023 11:15 hrs
Tests Completed Inhibin B Reading none

SLP 23-32953845

Page 1 of 1
Endocrinology

Results

HOR (HORMONE MASTER)

HORMONES (Serum)

Coll Date:	20/10/23		
Coll Time:	11:15		
Lab Number:	1831684		
Oestradiol	97	*	pmol/L (99-192)
LH	5.7		IU/L (1.7-8.6)
FSH	16	*	IU/L (2-12)
Prolactin	174		mIU/L (86-324)

Please note the changes in Male FSH reference ranges as of 11/07/2017

Testing performed on the Roche Cobas e immunoassay analysers (ECLIA).
Please note the change in reference ranges effective from 18/06/2022.

Patient Details:

Patient Name:	Halkias Christopher (Male)
Address:	342 BEXLEY ROAD, BEXLEY NORTH NSW 2207
DOB:	15/11/1994

Investigation:

Universal Service Identifier Text:	HORMONE MASTER
Collected Date:	20/10/2023 11:15 AM
Reported Date:	20/10/2023 02:24 PM

Other:

Laboratory:	Virtus Diagnostics
Laboratory Order Number:	23-1831684-HOR-0

Results

HAE (HAEMATOLOGY GENERAL)

Observation	Range	Values	Units
CLINICAL NOTES:			
HAEMATOLOGY BLOOD		SPECIMEN: WHOLE	
Date: current		20/10/23	(#Refers to
Coll. Time: only)		11:15	result
Lab Number:		#82953845	

HAEMOGLOBIN		155	(125 - 175) g/L
RBC		5.03	(4.50 - 6.50)x10
^12 /L			
HCT		0.45	(0.40 - 0.55)
MCV		89	(80 - 99) fL
MCH		30.8	(27.0 - 34.0)pg
MCHC		344	(310 - 360) g/L
RDW		12.5	(11.0 - 15.0)%
WCC		6.6	(4.0 - 11.0) x10 ^9
/L			
Neutrophils		3.1	(2.0 - 8.0) x10 ^9
/L			
Lymphocytes		2.8	(1.0 - 4.0) x10 ^9
/L			
Monocytes		0.4	(< 1.1) x10 ^9
/L			
Eosinophils		0.3	(< 0.7) x10 ^9
/L			
Basophils		< 0.1	(< 0.3) x10 ^9
/L			
PLATELETS		294	(150 - 450) x10 ^9
/L			
MPV		10.4	fL
#82953845 : The red cell, white cell and platelet parameters are within normal limits.			
HCR-w BGC-n BGA-W REF-W MAL-W HIV-W FAI-W CTU-W FBE-C HEP-w			
This request has other tests in progress at the time of reporting			
HAEMOGLOBIN	125 - 175	155	N
RCC	4.50 - 6.50	5.03	N
HCT	0.40 - 0.55	0.45	N
MCV	80 - 99	89	N
MCH	27.0 - 34.0	30.8	N
MCHC	310 - 360	344	

Observation	Range	Values	N	Units
RDW	11.0 - 15.0	12.5	N	
Platelets	150 - 450	294	N	
White Cell Count	4.0 - 11.0	6.6	N	
Neutrophils	2.0 - 8.0	3.1	N	
Lymphocytes	1.0 - 4.0	2.8	N	
Monocytes	< 1.1	0.4	N	
Eosinophils	< 0.7	0.3	N	
Basophils	< 0.3	< 0.1	N	
COMMENT		#82953845 : The red cell, white cell and platelet parameters are within normal limits.	N	

Patient Details:

Patient Name: Halkias Christopher (Male)
Address: 342 BEXLEY RD, BEXLEY NORTH NSW 2207
DOB: 15/11/1994

Investigation:

Universal Service Identifier Text: HAEMATOLOGY GENERAL
Collected Date: 20/10/2023 11:15 AM
Reported Date: 20/10/2023 11:06 PM

Other:

Laboratory: AUSTRALIAN CLINICAL LABS
Laboratory Order Number: 23-82953845-HAE-0

Results

TPL (SYPHILIS SEROLOGY)

Observation	Range	Values	Units
		<div>CLINICAL NOTES:</div> <div>SEROLOGY<div>SYPHILIS SEROLOGY</div><div>Date: 20/10/23 Coll. Time: 11:15 Lab Number: 82953845</div></div> <div>SPECIMEN: SERUM</div>	
		<div>T.pallidum IgG Non reactive</div> <div>82953845 No serological evidence of Treponemal Infection.</div> <div>Treponema pallidum IgG is assayed on the Siemens Centaur/Atellica system.</div> <div>HCR-w BGC-n BGA-W REF-W MAL-W HIV-W FAI-R CTU-W FBE-R HEP-w</div> <div>This request has other tests in progress at the time of reporting</div>	
Treponema pallidum IgG		Non reactive	N
Trep Comment:		No serological evidence of Treponemal Infection.	N
METHODOLOGY		Treponema pallidum IgG is assayed on the Siemens Centaur/Atellica system.	N

Patient Details:

Patient Name: Halkias Christopher (Male)
Address: 342 BEXLEY RD, BEXLEY NORTH NSW 2207
DOB: 15/11/1994

Investigation:

Universal Service Identifier Text: SYPHILIS SEROLOGY
Collected Date: 20/10/2023 11:15 AM
Reported Date: 20/10/2023 11:37 PM

Other:

Laboratory: AUSTRALIAN CLINICAL LABS
Laboratory Order Number: 23-82953845-TPL-0

Results

HIV (HIV)

Observation	Range	Values	Units
		<p>CLINICAL NOTES:</p> <p>SEROLOGY</p> <p>HIV SEROLOGY</p> <p>SPECIMEN: SERUM</p> <p>HIV Ag/Ab : Not Detected</p> <p>A negative result does not exclude the possibility of exposure to, or infection with HIV. HIV antibody and/or p24 antigen may be undetectable in some stages of infection. In the presence of recent risk factors, further testing in 6 and 12 weeks is recommended. HIV Ag/Ab Combo is a 4th Generation assay which detects HIV p24 antigen and HIV type 1 (including Group O) and type 2 antibodies. Testing performed on the Siemens Advia Centaur System.</p> <p>HCR-C BGC-n BGA-W REF-W MAL-W HIV-C FAI-R CTU-W FBE-R HEP-C</p> <p>This request has other tests in progress at the time of reporting</p>	
HIV Abs (Enzyme immunoassay)		Not Detected	N
HIV Comment:		<p>A negative result does not exclude the possibility of exposure to, or infection with HIV. HIV antibody and/or p24 antigen may be undetectable in some stages of infection. In the presence of recent risk factors, further testing in 6 and 12 weeks is recommended. HIV Ag/Ab Combo is a 4th Generation assay which detects HIV p24 antigen and HIV type 1 (including Group O) and type 2 antibodies. Testing performed on the Siemens Advia Centaur System.</p>	N

Patient Details:

Patient Name: Halkias Christopher (Male)

Address: 342 BEXLEY RD, BEXLEY NORTH NSW 2207

DOB: 15/11/1994

Investigation:

Universal Service Identifier Text: HIV

Collected Date: 20/10/2023 11:15 AM

Reported Date: 20/10/2023 11:53 PM

Other:

Laboratory: AUSTRALIAN CLINICAL LABS

Laboratory Order Number: 23-82953845-HIV-0

Results

HPS (HEPATITIS SEROLOGY)

Observation	Range	Values	Units
CLINICAL NOTES:			
SEROLOGY		SPECIMEN: SERUM	
HEPATITIS SEROLOGY			
Hepatitis B Surface antigen [HBsAg]		Not Detected	
Hepatitis C antibody (Total) [HCV]		Not Detected	
HEPATITIS B INTERPRETATION No serological evidence of acute or chronic HBV infection. HEPATITIS C INTERPRETATION No evidence of current or past Hepatitis C virus infection. Antibody to Hepatitis C may take 12-24 weeks, from the date of onset of symptoms, to appear. If indicated, please submit a further sample.			
HCR-C BGC-n BGA-W REF-W MAL-W HIV-C FAI-R CTU-W FBE-R HEP-C			
This request has other tests in progress at the time of reporting			
Hepatitis B Surface Ag		Not Detected	N
ANTI-HCV (TOTAL)		Not Detected	N
Comment:		HEPATITIS B INTERPRETATION No serological evidence of acute or chronic HBV infection. HEPATITIS C INTERPRETATION No evidence of current or past Hepatitis C virus infection. Antibody to Hepatitis C may take 12-24 weeks, from the date of onset of symptoms, to appear. If indicated, please submit a further sample.	N

Patient Details:

Patient Name: Halkias Christopher (Male)
Address: 342 BEXLEY RD, BEXLEY NORTH NSW 2207
DOB: 15/11/1994

Investigation:

Universal Service Identifier Text: HEPATITIS SEROLOGY
Collected Date: 20/10/2023 11:15 AM
Reported Date: 20/10/2023 11:53 PM

Other:

Laboratory: AUSTRALIAN CLINICAL LABS
Laboratory Order Number: 23-82953845-HPS-0

Results

BG (BLOOD GROUP)

Observation	Range	Values	Units
CLINICAL NOTES:			
BLOOD BANK		SPECIMEN: BLOOD	
BLOOD GROUP			
Group O		Rh(D) Positive	
BG-C BGC-N HCR-R MAL-W HIV-R FAI-R CTU-W FBE-R HEP-R NGU-W T			
This request has other tests in progress at the time of reporting			
Blood Group		0 Rh(D) Positive	N

Patient Details:

Patient Name: Halkias Christopher (Male)
Address: 342 BEXLEY RD, BEXLEY NORTH NSW 2207
DOB: 15/11/1994

Investigation:

Universal Service Identifier Text: BLOOD GROUP
Collected Date: 20/10/2023 11:15 AM
Reported Date: 21/10/2023 04:28 PM

Other:

Laboratory: AUSTRALIAN CLINICAL LABS
Laboratory Order Number: 23-82953845-BG-0

Results

MAL (MICROALBUMIN)

Observation	Range	Values	Units
CLINICAL NOTES:			
BIOCHEMISTRY			
URINE ALBUMIN STUDIES		SPECIMEN:	
URINE			
Date:		20/10/23	
Coll. Time:		11:15	
(# Refers to			
Lab Number:		#82953845	
current result)			
			Units
Range			

Albumin		< 3 mg/L	
(< 15)			
Creatinine		12.5 mmol/L	
(4.0 - 24.0)			
Alb/Creat Ratio		< 0.2 mg/mmol	
(< 2.5)			
82953845 Normal ACR.			
If clinical indication persists, suggest continued			
annual			
monitoring.			
BG-R BGC-N HCR-R MAL-C HIV-R FAI-R CTU-W FBE-R HEP-R NGU-W T			
This request has other tests in progress at the time of reporting			
Urine Albumin	< 15	< 3	N
Comment:	Normal ACR.		
	If clinical indication persists, suggest continued annual		
	monitoring.		
			N
Urine Creatinine	4.0 - 24.0	12.5	N
Albumin/Creatinine Ratio (ACR)	< 2.5	< 0.2	N

Patient Details:

Patient Name: Halkias Christopher (Male)
Address: 342 BEXLEY RD, BEXLEY NORTH NSW 2207
DOB: 15/11/1994

Investigation:

Universal Service Identifier Text: MICROALBUMIN
Collected Date: 20/10/2023 11:15 AM
Reported Date: 22/10/2023 08:27 PM

Other:

Laboratory: AUSTRALIAN CLINICAL LABS
Laboratory Order Number: 23-82953845-MAL-0

Results

CMP (C. TRACHOMATIS PCR)

Observation	Range	Values	Units
		<div>CLINICAL NOTES:</div> <div>MOLECULAR BIOLOGY</div> <div>CHLAMYDIA TRACHOMATIS BY NAAT</div> <div><div>Collection Site</div><div>C.trachomatis</div></div> <div><div>Urine</div><div>Not Detected</div></div> <div>Please note this assay is validated for endocervical, urethral and patient collected vaginal swabs, first void urines and liquid-based cytology solutions (PreservCyt Solution - Thinprep). For all other sample types, results should be evaluated in conjunction with the clinical presentation.</div> <div>BG-R BGC-N HCR-R MAL-R HIV-R FAI-R CTU-C FBE-R HEP-R NGU-C T</div> <div>This request has other tests in progress at the time of reporting</div>	
URINE CHY		Urine C.trachomatis Not Detected	N
COMMENT		<div>Please note this assay is validated for endocervical, urethral and patient collected vaginal swabs, first void urines and liquid-based cytology solutions (PreservCyt Solution - Thinprep). For all other sample types, results should be evaluated in conjunction with the clinical presentation.</div>	N

Patient Details:

Patient Name:

Halkias Christopher (Male)

Address:

342 BEXLEY RD, BEXLEY NORTH NSW 2207

DOB:

15/11/1994

Investigation:

Universal Service Identifier Text:

C. TRACHOMATIS PCR

Collected Date:

20/10/2023 11:15 AM

Reported Date:

23/10/2023 03:23 PM

Other:

Laboratory:

AUSTRALIAN CLINICAL LABS

Laboratory Order Number:

23-82953845-CMP-0

Results

NMP (N.GONORRHOEAE PCR)

Observation	Range	Values	Units				
		<p>CLINICAL NOTES:</p> <p>MOLECULAR BIOLOGY</p> <p>NEISSERIA GONORRHOEAE BY NAAT</p> <table><tr><td>Collection site</td><td>N.gonorrhoeae</td></tr><tr><td>Urine</td><td>Not Detected</td></tr></table>		Collection site	N.gonorrhoeae	Urine	Not Detected
Collection site	N.gonorrhoeae						
Urine	Not Detected						
		<p>Please note this assay is validated for endocervical, urethral and patient collected vaginal swabs, first void urines and liquid-based cytology solutions (PreservCyt Solution - Thinprep). For all other sample types, results should be evaluated in conjunction with the clinical presentation.</p> <p>BG-R BGC-N HCR-R MAL-R HIV-R FAI-R CTU-C FBE-R HEP-R NGU-C T</p> <p>This request has other tests in progress at the time of reporting</p>					
URINE GONO		Urine N.gonorrhoeae Not Detected	N				
COMMENT		<p>Please note this assay is validated for endocervical, urethral and patient collected vaginal swabs, first void urines and liquid-based cytology solutions (PreservCyt Solution - Thinprep). For all other sample types, results should be evaluated in conjunction with the clinical presentation.</p>					
			N				

Patient Details:

Patient Name: Halkias Christopher (Male)

Address: 342 BEXLEY RD, BEXLEY NORTH NSW 2207

DOB: 15/11/1994

Investigation:

Universal Service Identifier Text: N.GONORRHOEAE PCR

Collected Date: 20/10/2023 11:15 AM

Reported Date: 23/10/2023 03:23 PM

Other:

Laboratory: AUSTRALIAN CLINICAL LABS

Laboratory Order Number: 23-82953845-NMP-0

NSW HEALTH PATHOLOGY

HALKIAS, CHRISTOPHER

MRN: 528199.STG

342 BEXLEY RD

BEXLEY NORTH, NSW 2207

DOB: 15-Nov-1994

Sex: M

Phone:

Location: 5.ROOMS - STG

Episode Number: 23K320764B

Specimen: Blood

Site:

Collection Date: 07-Oct-2023

Collection Time: 08:15

Specimen Type: Blood

CYTOGENETIC STUDIES

CHROMOSOME COUNT

CELLS ANALYSED

46

30

KARYOTYPE 46,XY

CLINICAL NOTES: Azoospermia on semen analysis

Cytogenetic analysis revealed a male karyotype with no abnormality detected.

Examination of 30 cells has excluded sex chromosome mosaicism at a level of 10% or greater with a confidence of 0.95.

G-band resolution: 550 bands

Within the limits of routine cytogenetic microscopic analysis, this study has detected no significant numerical or structural abnormality. It does not exclude subtle structural changes or imbalances which may only be detected by DNA-based molecular cytogenetic techniques.

AUTHORISED BY : LUCAS, CHRISTOPHER at 6:16 PM on 31-10-2023

Requesting Dr: DR SARAH REBECCA CHWAH
HURSTVILLE PRIVATE HOSPITAL
37 GLOUCESTER RD
HURSTVILLE, NSW 2220

Testing Laboratory: NSWHP Randwick Hospital Campus

Report Generated on: 31-Oct-2023 06:16 PM

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NSW HEALTH PATHOLOGY

HALKIAS, CHRISTOPHER

MRN: 528199.STG

342 BEXLEY RD

BEXLEY NORTH,NSW 2207

DOB: 15-Nov-1994 Sex: M

Phone:

Location: 5.ROOMS - STG

Episode Number: 23K320764B

Specimen: Serum

Site:

Collection Date: 07-Oct-2023

Collection Time: 08:15

Specimen Type: Serum

FSH 14.0 H IU/L (1.5 - 12.4)

Requesting Dr: DR SARAH REBECCA CHWAH
HURSTVILLE PRIVATE HOSPITAL
37 GLOUCESTER RD
HURSTVILLE, NSW 2220

Testing Laboratory: NSWHP St. George Hospital

Report Generated on: 09-Oct-2023 07:56 AM

Page 1 of 1

Accredited for compliance with NPAAC
Standards and ISO 15189. NATA/RCPA
Corporate Accreditation Numbers:
2206 (North, Central) 2810 (South).

NSWHP Endocrinology
Phone 1800 073 257

NSW HEALTH PATHOLOGY

HALKIAS, CHRISTOPHER

MRN: 528199.STG

342 BEXLEY RD

BEXLEY NORTH, NSW 2207

DOB: 15-Nov-1994

Sex: M

Phone:

Location: 5.ROOMS - STG

Episode Number: 23K320764B

Specimen: Serum

Site:

Collection Date: 07-Oct-2023

Collection Time: 08:15

Specimen Type: Serum

TESTOSTERONE	19.1	nmol/L	(10.4 - 37.5)
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For further information or to access the factsheet please contact the laboratory on 9382 3682.

Requesting Dr: DR SARAH REBECCA CHWAH
HURSTVILLE PRIVATE HOSPITAL
37 GLOUCESTER RD
HURSTVILLE, NSW 2220

Testing Laboratory: NSWHP Randwick Hospital Campus

Report Generated on: 12-Oct-2023 02:07 PM

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NSW HEALTH PATHOLOGY

HALKIAS, CHRISTOPHER

MRN: 528199.STG

342 BEXLEY RD

BEXLEY NORTH, NSW 2207

DOB: 15-Nov-1994

Sex: M

Phone:

Location: 5.ROOMS - STG

Episode Number: 23K320764B

Specimen: Serum

Site:

Collection Date: 07-Oct-2023

Collection Time: 08:15

Specimen Type: Serum

Prolactin total	316	mIU/L	(86 - 324)
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Please note that high dose biotin therapy may interfere with the immunoassay used for measurement.

Blood samples from patients on high dose biotin (>5mg/day) should not be taken until at least 3 days after the last dose.

Requesting Dr: DR SARAH REBECCA CHWAH
HURSTVILLE PRIVATE HOSPITAL
37 GLOUCESTER RD
HURSTVILLE, NSW 2220

Testing Laboratory: NSWHP St. George Hospital

Report Generated on: 07-Oct-2023 03:44 PM

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NSW HEALTH PATHOLOGY

HALKIAS, CHRISTOPHER

MRN: 528199.STG

342 BEXLEY RD

BEXLEY NORTH,NSW 2207

DOB: 15-Nov-1994

Sex: M

Phone:

Location: 5.ROOMS - STG

Episode Number: 23K320764B

Specimen: Serum

Site:

Collection Date: 07-Oct-2023

Collection Time: 08:15

Specimen Type: Serum

LH 6.0 IU/L (1.7 - 8.6)

Please note that high dose biotin therapy may interfere with the immunoassay used for measurement.
Blood samples from patients on high dose biotin (>5mg/day) should not be taken until at least 3 days after the last dose.

Requesting Dr: DR SARAH REBECCA CHWAH
HURSTVILLE PRIVATE HOSPITAL
37 GLOUCESTER RD
HURSTVILLE, NSW 2220

Testing Laboratory: NSWHP St. George Hospital

Report Generated on: 09-Oct-2023 07:56 AM

Page 1 of 1

This report is for: Dr S. Chwah

Referred By: Dr Sarah Chwah

SCROTUM ULTRASOUND 14/10/2023 Reference: 1134176

SCROTUM ULTRASOUND

Clinical Details:

Azoospermia on semen analysis.

Findings:

The right testis measures 2 x 2.8 x 4.5 cm corresponding to 12.6 mL in volume and the left, 2 x 2.7 x 4.7 cm at 12.7 mL. Both testes show homogenous echotexture and normal vascularity. No focal testicular lesions are seen. A simple, anechoic, paratesticular lesion is seen at the anterior aspect of the right testis along the upper to mid polar region, this is outside of the testicular capsule and appears to be located between the tunica vaginitis and albuginea, measuring 3 x 6 x 7 mm. This lesion appears to be bordering the inferior aspect of the right epididymis, separate from it however. Normal appearing right epididymis. The left epididymal head contains a small simple cyst measuring 3.5 x 4.1 x 4.8 mm.

No hydrocoels. No varicocoele.

Conclusion:

No testicular abnormalities.

A simple, benign, anechoic paratesticular cyst representing a scrotal tunica cyst, either a tunica albuginea or tunica vaginalis cyst.

Radiologist: Dr N. Balendran

To view images, please click on the link below and login to Dr Glenn & Partners Connect:

Click here to view ULTRASOUND images: <https://pacs.medical-imaging.com.au/view/order/DG-1134176-US>

If you cannot click on the link, simply copy and paste the URL into your web browser.



Health
Pathology

DR SARAH REBECCA CHWAH
HURSTVILLE PRIVATE HOSPITAL
Suite 2 Level 1 / 37 Gloucester Rd
Hurstville NSW 2220

creating better health & justice systems
www.pathology.health.nsw.gov.au

528199.STG
HALKIAS, CHRISTOPHER

342 BEXLEY RD
BEXLEY NORTH, NSW 2207
DOB: 15-Nov-1994 Sex: M
Phone: 95919384
Location: 5.ROOMS - STG
Episode Number: 23K320764B
Secondary Number: 23X03659

Specimen: Blood

Site:

Collection Date: 07-Oct-2023

Collection Time: 08:15

Specimen Type: Blood

CFTR Gene Sequencing by MPS

DNA sequencing of the entire coding region of the *CFTR* gene and adjacent intronic regions RefSeq NG_016465.4(NM_000492.4).

Clinical Indication: Infertility

Result: No pathogenic *CFTR* variants detected.

The c.1210-12T[5_9] (IVS8 poly T) genotype is:
CFTR: c.[1210-12T[7]];[1210-12T[7]]

Interpretation:

This result is not consistent with this person being affected by a CF-related condition.

Method:

Library preparation was performed using a TWIST 190-gene custom probeset kit, with libraries sequenced on an Illumina NovaSeq 6000. Data filtering was performed on 25/10/2023 using an in-house pipeline (GAIA v.3). Typically coverage of *CFTR* is achieved at >100x on the TWIST 190-gene panel. Reads were aligned to Human Genome Reference Sequence GRCh38 and single nucleotide and short insertion/deletion variants identified using the Dragen Server in Illumina BaseSpace.

This sample was also screened for the deletion *CFTR*:c.54-5940_273+10250del (previously known as *CFTR*del2,3) using three CNV callers: CoNIFER (PMID: 22585873); DECoN (PMID: 28459104) and XHMM (PMID: 23040492).

Sequence variants are classified following the joint consensus recommendations of the American College of Medical Genetics and Genomics and the Association for Molecular Pathology for the interpretation of sequence variants (PMID: 25741868). Variants are reported according to HGVS nomenclature (v20.05).

This gene panel detects sequence variants in the entire coding region of the *CFTR* gene and 20 bases of adjacent intronic regions. Benign variants are not reported. Carrier status for other inherited disorders has not been examined in this analysis. Rare causes of false negative results cannot be excluded. The c.1210-12T[5_9] (IVS8 poly T) and c.350G>A (R117H) genotypes are reported only when they are specifically requested, or the indication is infertility investigations in a male, or when both variants are present.

Comments:

Please note that other potentially clinically significant variants, including rare deep intronic variants, chromosomal rearrangements, or large deletions/duplications may not be detected by this method. Whole gene MLPA analysis may be considered when analysis for copy number variants involving *CFTR* gene is warranted. Please contact the

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NPAAC Standards and ISO 15189
NATA/RCPA Accreditation Numbers:
2206: 2810; 20408; 20475.

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