

PIVOTAL HEALTH

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Dr Russell Hunter Dr Meg Marsden Dr Noella MacPherson Dr Simone Carlotto
Dr Adrian Ellis Dr Hemantha Gamage Dr Sarah Young

Please find results as requested.

OOI, MATTHEW

14 VOYAGERS COURT, CLEVELAND Q, CLEVELAND. 4163

Birthdate: 22/07/1981 **Sex:** M **Medicare Number:**

Your Reference: **Lab Reference:** RXS22327743-Xray Left Hip Joint, Not for Comparison,
Xray Right Hip Joint, Not for Comparison, Xray Pelvis, Xray

Laboratory: qxr

Addressee: DR HEMANTHA GAMAGE **Referred by:** HEMANTHA DR GAMAGE

Name of Test: Xray Left Hip Joint, Not for Comparison, Xray Right Hip Joint, Not for
Comparison, Xray Pelvis, Xray

Requested: 30/10/2024 **Collected:** 30/10/2024 **Reported:** 30/10/2024 15:23

Apollo RIS Patient Id : QXR2380784

Patient Name : OOI MATTHEW **DOB :** 22/07/1981 **Service Date :** 30/10/2024

[A .PDF version of this report is available until 30-10-2025.](#) PIN: 7828

EXAMINATION:

XRAY RIGHT HIP; XRAY RIGHT HAND; XRAY LEFT HIP; XRAY LEFT HAND; XRAY PELVIS

Clinical History:

Bilateral hip pain, worse on the right for 3 months. Running aggravates. History of bilateral hand pain and stiffness in the morning.

Findings:

Symmetrical normal hip joints and sacroiliac joints. Intact pelvic rings. No bony or joint abnormality.

Joint spaces are preserved in the proximal and distal small joints of both hands and wrists. No periarticular erosion. No focal bone lesion. Small ossific body projected in the ulnar aspect of the right wrist may be result of old trauma.

Dr Sunil Kaniyur
Queensland X-Ray

Patient images can be accessed using the following link:

Click [here](#)

If you have feedback regarding this report please call Referrer Help Desk on 1800 77 99 77 or email referrerhelpdesk@qldxray.com.au



OOI, MATTHEW
14 VOYAGERS CT, RABY BAY. 4163
Phone: 0487986706
Birthdate: 22/07/1981 Sex: M Medicare Number: 4261114677
Your Reference: D6003574E2 Lab Reference: 686503688-C-C140
Laboratory: SNP
Addressee: DR HEMANTHA GAMAGE Referred by: DR HEMANTHA GAMAGE

Name of Test: S-ROUTINE CHEMISTRY
Requested: 30/10/2024 Collected: 31/10/2024 Reported: 31/10/2024 17:33

Clinical notes: BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

Clinical Notes : BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

Chemistry (serum)

Date Time F-Fast Lab Id.	Latest Results		Reference	Units
	09-Sep-05 1250 F 559323465	31-Oct-24 0852 F 686503688		
Sodium	142	141	(135-145)	mmol/L
Potassium	4.6	4.7	(3.5-5.5)	mmol/L
Chloride	103	107	(95-110)	mmol/L
Bicarbonate	27	24	(20-32)	mmol/L
Anion Gap	12	10	(<16)	mmol/L
Calcium (Corr.)	2.47	2.39	(2.10-2.60)	mmol/L
Phosphate	1.3	1.06	(0.80-1.50)	mmol/L
Urea	5.7	4.0	(3.0-8.0)	mmol/L
Urate	0.44	0.441	(0.200-0.500)	mmol/L
Creatinine	80	72	(60-110)	umol/L
eGFR		>90	(>59)	
Fast. Glucose	5.1	5.5	(3.6-6.0)	mmol/L
Total Protein	82 H	66	(66-83)	g/L
Albumin	47	37	(35-48)	g/L
Globulin	35	29	(23-43)	g/L
T Bilirubin	14	9	(<21)	umol/L
Bilirubin conjugat	5		(0-7)	umol/L
ALP	50	49	(35-110)	U/L
AST	22	516 H	(10-40)	U/L
ALT	16	146 H	(5-40)	U/L
GGT	18	17	(5-50)	U/L
LD	140	691 H	(<250)	U/L
Cholesterol	4.4	4.3	(<5.6)	mmol/L
Triglyceride	1.2	0.8	(<2.1)	mmol/L
Creatine Kinase		19680 H	(45-250)	U/L
Haemolysis Index		6	(<40)	mg/dL

CA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,CPK,CRP,RF,E/LFT,HbA1c,FBE,ESR
Tests Pending : Iron Studies,ANA,CCP Ab
Sample Pending :

OOI, MATTHEW
14 VOYAGERS CT, RABY BAY. 4163
Phone: 0487986706
Birthdate: 22/07/1981 **Sex:** M **Medicare Number:** 4261114677
Your Reference: D6003574E2 **Lab Reference:** 686503688-H-H900
Laboratory: SNP
Addressee: DR HEMANTHA GAMAGE **Referred by:** DR HEMANTHA GAMAGE

Name of Test: .BLOOD COUNT
Requested: 30/10/2024 **Collected:** 31/10/2024 **Reported:** 31/10/2024 13:33

Clinical notes: BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

Clinical Notes : BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck.
History of shoulder pain and some upper limbs weakness. Fasting

Haematology

Date	Latest Results			
	09-Sep-05	31-Oct-24		
Time F-Fast	1250 F	0852 F		
Lab Id.	559323465	686503688	Reference	Units
Haemoglobin	163	146	(135-175)	g/L
Haematocrit	0.49	0.42	(0.40-0.54)	
RCC	5.3	4.9	(4.5-6.5)	10*12/L
MCV	91	86	(80-100)	fL
WCC	4.9	3.8	(3.5-10.0)	10*9/L
Neutrophils	3.00	2.03	(1.5-6.5)	10*9/L
Lymphocytes	1.40	1.27	(1.0-4.0)	10*9/L
Monocytes	0.30	0.33	(0-0.9)	10*9/L
Eosinophils	0.20	0.11	(0-0.6)	10*9/L
Basophils	0.00	0.02	(0-0.15)	10*9/L
Platelets	245	234	(150-400)	10*9/L

HA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: FBE
Tests Pending : HDL-Cholesterol, Iron Studies, CPK, CRP, RF, E/LFT, HbA1c, ESR, ANA, CCP Ab
Sample Pending :

OOI, MATTHEW
14 VOYAGERS CT, RABY BAY. 4163
Phone: 0487986706
Birthdate: 22/07/1981 **Sex:** M **Medicare Number:** 4261114677
Your Reference: D6003574E2 **Lab Reference:** 686503688-H-H050
Laboratory: SNP
Addressee: DR HEMANTHA GAMAGE **Referred by:** DR HEMANTHA GAMAGE

Name of Test: ESR
Requested: 30/10/2024 **Collected:** 31/10/2024 **Reported:** 31/10/2024 14:33

Clinical notes: BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

Clinical Notes : BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck.
History of shoulder pain and some upper limbs weakness. Fasting

weakness. fasting

		Latest Results		
Date	09-Sep-05	31-Oct-24		
Time F-Fast	1250 F	0852 F		
Lab Id.	559323465	686503688	Reference	Units
ESR	1	1	(1-12)	mm/h

HA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: FBE,ESR

Tests Pending : HDL-Cholesterol,Iron Studies,CPK,CRP,RF,E/LFT,HbA1c,
ANA,CCP Ab

Sample Pending :

OOI, MATTHEW
14 VOYAGERS CT, RABY BAY. 4163
Phone: 0487986706
Birthdate: 22/07/1981 Sex: M Medicare Number: 4261114677
Your Reference: D6003574E2 Lab Reference: 686503688-C-C847
Laboratory: SNP
Addressee: DR HEMANTHA GAMAGE Referred by: DR HEMANTHA GAMAGE

Name of Test: S- LIPID PROFILE
Requested: 30/10/2024 Collected: 31/10/2024 Reported: 31/10/2024 15:33

Clinical notes: BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

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Lipid Profile

		Latest Results		
Date	09-Sep-05	31-Oct-24		
Time F-Fast	1250 F	0852 F		
Lab Id.	559323465	686503688	Reference	Units
Cholesterol	4.4	4.3	(<5.6)	mmol/L
Triglyceride	1.2	0.8	(<2.1)	mmol/L
HDL		1.12	(>0.89)	mmol/L
LDL		2.8	(<4.1)	mmol/L
Chol/HDL Ratio		3.8	(<4.6)	
Non HDLC		3.18	(<3.81)	mmol/L

Comments on Collection 31-Oct-24 0852 F:

HDL-Cholesterol

LDL is now calculated by the Sampson equation which allows an accurate result at higher triglyceride levels.

The National Vascular Disease Prevention Alliance (NVDPA) guidelines recommend a target level of less than 2.5 mmol/L for non-HDLC.

TARGET LEVELS:

The National Vascular Disease Prevention Alliance (NVDPA) treatment target levels for high risk people (known coronary heart and other arterial disease, diabetes, chronic renal failure, Aboriginal and Torres Strait Islander peoples and familial hyperlipidaemic conditions) are:

Total Cholesterol	<4.0	mmol/L
HDL-Cholesterol	>=1.00	mmol/L
Fasting Triglycerides	<2.0	mmol/L
Non-HDL Cholesterol	<2.5	mmol/L

Increased non-HDL Cholesterol is the most significant marker for subclinical atherosclerosis (ref: Cardiology Today 2013; 3(2) : pp25-27).

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Tests Completed: HDL-Cholesterol,CRP,RF,FBE,ESR
Tests Pending : Iron Studies,CPK,E/LFT,HbA1c,ANA,CCP Ab
Sample Pending :

OOI, MATTHEW
14 VOYAGERS CT, RABY BAY. 4163
Phone: 0487986706
Birthdate: 22/07/1981 Sex: M Medicare Number: 4261114677
Your Reference: D6003574E2 Lab Reference: 686503688-C-C290
Laboratory: SNP
Addressee: DR HEMANTHA GAMAGE Referred by: DR HEMANTHA GAMAGE

Name of Test: S-C REACTIVE PROTEIN
Requested: 30/10/2024 Collected: 31/10/2024 Reported: 31/10/2024 15:33

Clinical notes: BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

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C Reactive Protein

CRP 1.6 (<5) mg/L
Comments on Lab Id: 686503688

CRP is a more sensitive early indicator of an acute phase response than is ESR. It also returns towards normal more rapidly with improvement or resolution of the disease process.

If CRP is elevated, it can indicate disease activity of an inflammatory, infective or neoplastic nature.

Artefactually decreased CRP values occur when patients are treated with antibiotics containing carboxypenicillins including Ticarcillin.

CA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,CRP,RF,FBE,ESR
Tests Pending : Iron Studies,CPK,E/LFT,HbA1c,ANA,CCP Ab
Sample Pending :

OOI, MATTHEW
14 VOYAGERS CT, RABY BAY. 4163
Phone: 0487986706
Birthdate: 22/07/1981 Sex: M Medicare Number: 4261114677
Your Reference: D6003574E2 Lab Reference: 686503688-H-E416
Laboratory: SNP
Addressee: DR HEMANTHA GAMAGE Referred by: DR HEMANTHA GAMAGE

Name of Test: HBA1C
Requested: 30/10/2024 Collected: 31/10/2024 Reported: 31/10/2024 16:33

Clinical notes: BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

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HbA1c

HbA1c (NGSP)	5.4	(<6.5)	%
HbA1c (IFCC)	36	(<48)	mmol/mol

Comments on Collection 686503688

The currently accepted cut-point for diagnosis of Type 2 Diabetes is an HbA1c level equal to or greater than 6.5% (48 mmol/mol) in patients with normal red blood cell turnover.
An abnormal screening HbA1c equal to or greater than 6.5% (48 mmol/mol) should be confirmed by a repeat HbA1c level as soon as possible, prior to any dietary adjustment or therapeutic intervention.
If the follow up HbA1c is less than 6.5% (48mmol/mol) then the patient does not have diabetes and should be rescreened in 12 months time.
(Ref: MJA 197/4:220-221 (2012))
Patients with HbA1c levels of 5.7 - 6.4% (38 - 46 mmol/mol) may still have a slightly increased risk of microvascular complications according to the AusDiab study.
The Medicare item for HbA1C for diagnosis of Diabetes Mellitus is limited to one test per 12 months; for monitoring Diabetes testing remains unchanged - 4 tests per 12 months.
Further information may be found at MBS online
<http://www9.health.gov.au/mbs/search.cfm>
An alternative test to monitor diabetes such as serum fructosamine is advisable in the presence of altered red cell lifespan.
HbA1c performed on the Sebia Cap3 analyser by capillary electrophoresis.

HA

PDF Image Enhanced Report

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<https://sdrviewer.apps.sonichealthcare.com/?GUID=FEE0F7BC-9751-11EF-9FF3-910523733610&hostCode=SNP&shareType=1>

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol,CRP,RF,HbA1c,FBE,ESR
Tests Pending : Iron Studies,CPK,E/LFT,ANA,CCP Ab
Sample Pending :

OOI, MATTHEW
14 VOYAGERS CT, RABY BAY. 4163
Phone: 0487986706
Birthdate: 22/07/1981 Sex: M Medicare Number: 4261114677
Your Reference: D6003574E2 Lab Reference: 686503688-V-V244
Laboratory: SNP
Addressee: DR HEMANTHA GAMAGE Referred by: DR HEMANTHA GAMAGE

Name of Test: .HbA1c Graph
Requested: 30/10/2024 Collected: 31/10/2024 Reported: 31/10/2024 16:33

Clinical notes: BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

Clinical Notes : BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck.
History of shoulder pain and some upper limbs weakness. Fasting

SS

PDF Image Enhanced Report

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<https://sdrviewer.apps.sonichealthcare.com/?GUID=FEF28874-9751-11EF-9FF3-910523733610&hostCode=SNP&shareType=1>

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, CRP, RF, HbA1c, FBE, ESR
Tests Pending : Iron Studies, CPK, E/LFT, ANA, CCP Ab
Sample Pending :

OOI, MATTHEW
14 VOYAGERS CT, RABY BAY. 4163
Phone: 0487986706
Birthdate: 22/07/1981 **Sex:** M **Medicare Number:** 4261114677
Your Reference: D6003574E2 **Lab Reference:** 686503688-C-H245
Laboratory: SNP
Addressee: DR HEMANTHA GAMAGE **Referred by:** DR HEMANTHA GAMAGE

Name of Test: .ANAEMIA
Requested: 30/10/2024 **Collected:** 31/10/2024 **Reported:** 31/10/2024 19:33

Clinical notes: BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

Clinical Notes : BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck.
History of shoulder pain and some upper limbs weakness. Fasting

Haematinics

Date	Latest Results			
	09-Sep-05	31-Oct-24		
Time F-Fast	1250 F	0852 F		
Lab Id.	559323465	686503688	Reference	Units
Iron	32 H	20	(5-30)	umol/L
Transferrin		1.9	(1.9-3.1)	g/L
TIBC	59	47	(47-77)	umol/L
Trans Sat	54	43	(20-45)	%
Ferritin	189	178	(30-300)	ug/L
CRP		1.6	(<5)	mg/L

Comments on Collection 31-Oct-24 0852 F:
Iron Studies
Normal Iron Status.

CA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, Iron Studies, CPK, CRP, RF, E/LFT, HbA1c, FBE, ESR, CCP Ab
Tests Pending : ANA
Sample Pending :

OOI, MATTHEW
14 VOYAGERS CT, RABY BAY. 4163
Phone: 0487986706
Birthdate: 22/07/1981 **Sex:** M **Medicare Number:** 4261114677

Your Reference: D6003574E2 **Lab Reference:** 686503688-C-I925

Laboratory: SNP
Addressee: DR HEMANTHA GAMAGE **Referred by:** DR HEMANTHA GAMAGE

Name of Test: S-Rheumatology
Requested: 30/10/2024 **Collected:** 31/10/2024 **Reported:** 31/10/2024 19:33

Clinical notes: BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

Clinical Notes : BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck.
History of shoulder pain and some upper limbs weakness. Fasting

Rheumatology

		Latest Results		
Date		09-Sep-05	31-Oct-24	
Time F-Fast		1250 F	0852 F	
Lab Id.		559323465	686503688	Reference Units
RF Latex	<30		(<30)	IU/mL
RF Latex			<15 (<30)	IU/mL
CCP Abs			<1 (<5)	U/mL

Comments on Collection 31-Oct-24 0852 F:

LATEX

80% of rheumatoid arthritis patients have a positive RF, usually in high titre. Positive results, usually in low titre, are also found in patients with chronic or viral infections, liver diseases, hypergammaglobulinaemia, connective tissue diseases, ankylosing spondylitis (10%), and normal people (1-5%, incidence increases with age).

CCP antibodies when combined with RF, give a sensitivity of around 85% for the detection of early rheumatoid arthritis.
Please note as of 14/4/2020 the RF reference interval has changed from <15 to <30 IU/mL

Cyclic citrullinated peptide (CCP) antibodies may be positive in some sero negative RA patients and appear earlier than RF in RA. CCP antibodies may predict more erosive disease and are a marker of disease severity.
CCP antibodies may be present in some chronic infections eg HIV, HCV and in those conditions are not associated with arthritis.
CCP antibodies have not been associated with Cryoglobulinaemia.
Testing for CCP antibodies is performed using Abbott CMIA.
An elevated CCP can be found in a significant number of patients with rheumatoid arthritis who have a negative RF. CCP antibodies may be detected in about 50-60% of patients with early RA (3-6 months after the beginning of symptoms).

EA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, Iron Studies, CPK, CRP, RF, E/LFT, HbA1c, FBE, ESR, CCP Ab

Tests Pending : ANA

Sample Pending :

OOI, MATTHEW
14 VOYAGERS CT, RABY BAY. 4163
Phone: 0487986706
Birthdate: 22/07/1981 **Sex:** M **Medicare Number:** 4261114677
Your Reference: D6003574E2 **Lab Reference:** 686503688-I-I901
Laboratory: SNP

Addressee: DR HEMANTHA GAMAGE Referred by: DR HEMANTHA GAMAGE

Name of Test: S-Autoantibodies
Requested: 30/10/2024 Collected: 31/10/2024 Reported: 01/11/2024 09:33

Clinical notes: BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

Clinical Notes : BL hip joint pains, pains in small joints of hands, some stiff feeling in the neck. History of shoulder pain and some upper limbs weakness. Fasting

Autoantibodies

	Latest Results	
Date	09-Sep-05	31-Oct-24
Time F-Fast	1250 F	0852 F
Lab Id.	559323465	686503688 Reference Units

ANA (IFA) Neg <40 Neg <80

Comments on Collection 31-Oct-24 0852 F:
A negative ANA is seen in normal individuals. Occasionally patients with active SLE have a negative ANA.

RP

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: HDL-Cholesterol, Iron Studies, CPK, CRP, RF, E/LFT, HbA1c, FBE, ESR, ANA, CCP Ab

Tests Pending :
Sample Pending :

