

INVESTIGATION RESULTS

As at 29/6/2023.

Patient Details:

Patient Name: Ms Georgina Sarkis
Address: 2/40 Cheltenham Drive
ROBINA QLD 4226
Phone - Home: 0412139380
Phone - Work:
D.O.B.: 24/10/1976
Record Number: 10181
Medicare Number: 4458 39872 1 / 1
DVA Number:

Allergies/Adverse Reactions: **KEFLEX**

Investigation Results:

Start Patient : SARKIS, GEORGINA
2 40 CHELTENHAM DR, ROBINA QLD 4226
Birthdate: 24/10/1976 Age: Y46 Sex: F
Telephone: 0412139380

Your Reference :
QML Reference : 23-58253400
Medicare Number: 4458398721
Phone Enquiries: (07) 3121 4555

Referred By : MARTINEZ, DR. MARIA
Addressee : MARTINEZ, DR. MARIA 4020227A
Lab. Reference: 23-58253400-FCT-0
Requested: Wednesday, 14 June 2023
Performed: Sunday, 18 June 2023
Test name: CALPROTECTIN, FAECES
Provider name: QML Pathology

FAECAL CALPROTECTIN

Faecal Calprotectin: < 5.0 ug/g (< 50.0)

Calprotectin is a neutrophil cytosolic protein complex released from neutrophils during the inflammatory process. In Inflammatory bowel disease, calprotectin is released by neutrophils in the bowel mucosa and shed into the lumen. Calprotectin is relatively resistant to digestion and thus can be measured in faeces as a marker of bowel inflammation.

Elevated faecal calprotectin levels may be detected in inflammatory bowel disease (IBD) as well as other bowel pathologies including gastroenteritis, food protein enteropathies and bowel cancer. The specificity of faecal calprotectin values >50 ug/g for determining IBD versus healthy controls is estimated to be 80-90%. Higher values provided greater specificity and positive predictive value for IBD. Conversely faecal calprotectin levels are generally normal in functional bowel disorders such as irritable bowel syndrome.

Repeat testing for borderline results between 50 - 150 ug/g should be considered.

For enquiries, contact Dr Paul Campbell 07 3121 4444
Patients should contact their referring doctor in regard to this result.

Tests Completed:
Tests Pending :

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Start Patient : SARKIS,GEORGINA  
2 40 CHELTENHAM DR, ROBINA QLD 4226  
Birthdate: 24/10/1976 Age: Y46 Sex: F  
Telephone: 0412139380

Your Reference :  
QML Reference : 23-72251789  
Medicare Number: 4458398721  
Phone Enquiries: (07) 3121 4555

Referred By : MARTINEZ,DR. MARIA  
Addressee : MARTINEZ,DR. MARIA 4020227A  
Lab. Reference: 23-72251789-TMM-0  
Requested: Wednesday, 14 June 2023  
Performed: Saturday, 17 June 2023  
Test name: TUMOUR MARKER MASTER  
Provider name: QML Pathology

|        |          |          |          |
|--------|----------|----------|----------|
| Date   | 30/09/21 | 08/11/21 | 17/06/23 |
| Time   | 08:10    | 06:55    | 08:25    |
| Lab No | 67086815 | 67970519 | 72251789 |

|                  |       |       |     |                  |
|------------------|-------|-------|-----|------------------|
| CA125 (Siemens)  | 11    |       |     | U/mL (< 30)      |
| CA19-9 (Siemens) | 20    | 26    | 31  | U/mL (< 30)      |
| CEA (Siemens)    | < 0.5 | < 0.5 | 0.6 | ug/L (up to 4.6) |

72251789 CA19-9 is associated with mucinous epithelium, and may be elevated with inflammation or Neoplasia.

CA19-9 sources may include:

|               |                 |          |
|---------------|-----------------|----------|
| Nasal Sinuses | Salivary glands | Lung     |
| Stomach       | Gall Bladder    | Pancreas |
| Colon         | Endometrium     | Ovary    |
| Synovium      |                 |          |

A repeat may indicate its nature by the trend.

Tests Completed:CA19-9, TSH, FREE T4, IRON STUDIES, FBC, SERUM FOLATE  
Tests Completed:SERUM VITAMIN B12, SE E/LFT, SE VIT D, SE HDL, SE CEA  
Tests Pending :

Start Patient : SARKIS,GEORGINA  
2 40 CHELTENHAM DR, ROBINA QLD 4226  
Birthdate: 24/10/1976 Age: Y46 Sex: F  
Telephone: 0412139380

Your Reference :  
QML Reference : 23-72251789  
Medicare Number: 4458398721  
Phone Enquiries: (07) 3121 4555

Referred By : MARTINEZ,DR. MARIA  
Addressee : MARTINEZ,DR. MARIA 4020227A  
Lab. Reference: 23-72251789-CEA-0  
Requested: Wednesday, 14 June 2023  
Performed: Saturday, 17 June 2023  
Test name: CARCINOEMBRYONIC ANTIGEN  
Provider name: QML Pathology

CUMULATIVE SERUM CARCINOEMBRYONIC ANTIGEN (CEA)

|        |          |          |          |
|--------|----------|----------|----------|
| Date   | 30/09/21 | 08/11/21 | 17/06/23 |
| Time   | 08:10    | 06:55    | 08:25    |
| Lab No | 67086815 | 67970519 | 72251789 |

|     |       |       |     |                  |
|-----|-------|-------|-----|------------------|
| CEA | < 0.5 | < 0.5 | 0.6 | ug/L (up to 4.6) |
|-----|-------|-------|-----|------------------|

CEA is elevated in over 50% of gastrointestinal malignancies and in some lung and breast malignancies. It is occasionally increased (up to 10 ug/L) in some non-malignant conditions.

Tests Completed:TSH, FREE T4, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12  
Tests Completed:SE E/LFT, SE VIT D, SE HDL, SE CEA  
Tests Pending :CA19-9

Start Patient : SARKIS,GEORGINA  
2 40 CHELTENHAM DR, ROBINA QLD 4226  
Birthdate: 24/10/1976 Age: Y46 Sex: F  
Telephone: 0412139380

Your Reference :  
QML Reference : 23-72251789  
Medicare Number: 4458398721  
Phone Enquiries: (07) 3121 4555

Referred By : MARTINEZ,DR. MARIA  
Addressee : MARTINEZ,DR. MARIA 4020227A  
Lab. Reference: 23-72251789-25T-0  
Requested: Wednesday, 14 June 2023  
Performed: Saturday, 17 June 2023  
Test name: E/LFT (MASTER)  
Provider name: QML Pathology

| CUMULATIVE SERUM/PLASMA BIOCHEMISTRY |          |          |          |          |                         |
|--------------------------------------|----------|----------|----------|----------|-------------------------|
| Date                                 | 30/09/21 | 08/11/21 | 14/12/21 | 16/12/21 | 17/06/23                |
| Time                                 | 08:10    | 06:55    | 13:40    | 19:05    | 08:25                   |
| Lab No                               | 67086815 | 67970519 | 29186784 | 63836307 | 72251789                |
|                                      | FASTING  | RANDOM   | RANDOM   |          | FASTING                 |
| Sodium                               | 142      | 136      | 139      | 141      | 142 mmol/L (137-147)    |
| Potass.                              | 4.4      | 4.2      | 4.5      | 3.9      | 4.8 mmol/L (3.5-5.0)    |
| Chloride                             | 106      | 108      | 101      | 103      | 106 mmol/L (96-109)     |
| Bicarb                               | 31       | 26       | 29       | 31       | 27 mmol/L (25-33)       |
| An.Gap                               | 9        | 6        | 14       | 11       | 14 mmol/L (4-17)        |
| Gluc                                 | 5.0      | 6.4      | 4.9      |          | 4.9 mmol/L (3.0-6.0)    |
| Urea                                 | 8.6      | 5.5      | 5.4      | 4.3      | 4.5 mmol/L (2.0-7.0)    |
| Creat                                | 79       | 82       | 75       | 78       | 79 umol/L (40-110)      |
| eGFR                                 | 77       | 74       | 82       | 79       | 77 mL/min (over 59)     |
| Urate                                | 0.33     | 0.41     | 0.32     |          | 0.35 mmol/L (0.14-0.35) |
| T.Bili                               | 11       | 16       | 12       |          | 21 umol/L (2-20)        |
| D.Bili                               |          |          | 2        |          | 6 umol/L (0-8)          |
| Alk.P                                | 61       | 57       | 54       | 68       | U/L (30-115)            |
| GGT                                  | 16       | 13       | 15       | 8        | U/L (0-45)              |
| ALT                                  | 37       | 44       | 24       | 26       | U/L (0-45)              |
| AST                                  | 23       | 32       | 22       | 23       | U/L (0-41)              |
| LD                                   | 127      | 145      | 172      | 142      | U/L (80-250)            |
| Calcium                              | 2.36     | 2.37     | 2.29     | 2.32     | mmol/L (2.15-2.60)      |
| Corr.Ca                              | 2.37     | 2.38     | 2.28     | 2.31     | mmol/L (2.15-2.60)      |
| Phos                                 | 1.4      | 1.2      | 1.2      | 1.3      | mmol/L (0.8-1.5)        |
| T.Prot                               | 70       | 68       | 68       | 70       | g/L (60-82)             |
| Alb                                  | 42       | 42       | 43       | 43       | g/L (35-50)             |
| Glob                                 | 28       | 26       | 25       | 27       | g/L (20-40)             |
| Chol                                 | 5.6      | 4.8      | 4.8      | 5.2      | mmol/L (3.6-6.9)        |
| Trig                                 | 1.9      | 1.0      | 1.4      | 1.2      | mmol/L (0.3-2.2)        |
| Lab No                               | 67086815 | 67970519 | 29186784 | 63836307 | 72251789                |
| Date                                 | 30/09/21 | 08/11/21 | 14/12/21 | 16/12/21 | 17/06/23                |

Tests Completed:TSH, FREE T4, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12  
Tests Completed:SE E/LFT, SE VIT D, SE HDL  
Tests Pending :CA19-9, SE CEA

Start Patient : SARKIS,GEORGINA  
2 40 CHELTENHAM DR, ROBINA QLD 4226  
Birthdate: 24/10/1976 Age: Y46 Sex: F  
Telephone: 0412139380

Your Reference :  
QML Reference : 23-72251789  
Medicare Number: 4458398721  
Phone Enquiries: (07) 3121 4555

Referred By : MARTINEZ,DR. MARIA  
Addressee : MARTINEZ,DR. MARIA 4020227A  
Lab. Reference: 23-72251789-HDL-0  
Requested: Wednesday, 14 June 2023  
Performed: Saturday, 17 June 2023  
Test name: HDL CHOLESTEROL,SERUM  
Provider name: QML Pathology

#### CUMULATIVE LIPID RISK REPORT

Date 17/06/23  
Time 08:25  
Lab No 72251789  
FASTING

|                   | Target if<br>HIGH RISK |
|-------------------|------------------------|
| Total Cholesterol | 5.2 mmol/L (below 4.0) |
| Triglycerides     | 1.2 mmol/L (below 2.0) |

#### CHOLESTEROL FRACTIONS

|                      |                         |
|----------------------|-------------------------|
| HDL                  | 1.38 mmol/L (above 1.0) |
| LDL (calculated)*    | 3.27 mmol/L (below 2.5) |
| Non-HDL cholesterol* | 3.82 mmol/L (below 3.3) |
| Total/HDL ratio**    | 3.8                     |

\* Secondary prevention LDL and non-HDL cholesterol targets are lower.

\*\* The ratio is for use with the cardiovascular risk calculator.

Web-search: "Australian cardiovascular risk calculator"

72251789 Treatment is recommended if clinically indicated or if calculated risk exceeds 15% absolute risk of CVD events over 5 years.

NVDPA 2012 Target ranges refer to HIGH RISK PATIENTS.

As of 7/3/22 LDL will no longer be measured routinely. LDL results will be calculated, in accordance with National harmonisation.

Tests Completed:TSH, FREE T4, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12  
Tests Completed:SE E/LFT, SE VIT D, SE HDL  
Tests Pending :CA19-9, SE CEA

Start Patient : SARKIS,GEORGINA  
2 40 CHELTENHAM DR, ROBINA QLD 4226  
Birthdate: 24/10/1976 Age: Y46 Sex: F  
Telephone: 0412139380

Your Reference :  
QML Reference : 23-72251789  
Medicare Number: 4458398721  
Phone Enquiries: (07) 3121 4555

Referred By : MARTINEZ,DR. MARIA  
Addressee : MARTINEZ,DR. MARIA 4020227A  
Lab. Reference: 23-72251789-ISM-0  
Requested: Wednesday, 14 June 2023  
Performed: Saturday, 17 June 2023  
Test name: MASTER IRON STUDIES  
Provider name: QML Pathology

CUMULATIVE IRON STUDIES

|            |          |        |          |
|------------|----------|--------|----------|
| Date       | 17/06/23 |        |          |
| Time       | 08:25    |        |          |
| Lab No     | 72251789 |        |          |
| Iron       | 20       | umol/L | (10-33)  |
| TIBC       | 52       | umol/L | (45-70)  |
| Saturation | 38       | %      | (16-50)  |
| Ferritin   | 50       | ug/L   | (25-290) |

Tests Completed:TSH, FREE T4, IRON STUDIES, FBC, SERUM FOLATE, SERUM VITAMIN B12  
 Tests Completed:SE E/LFT, SE VIT D, SE HDL  
 Tests Pending :CA19-9, SE CEA

Start Patient : SARKIS,GEORGINA  
 2 40 CHELTENHAM DR, ROBINA QLD 4226  
 Birthdate: 24/10/1976 Age: Y46 Sex: F  
 Telephone: 0412139380

Your Reference :  
 QML Reference : 23-72251789  
 Medicare Number: 4458398721  
 Phone Enquiries: (07) 3121 4555

Referred By : MARTINEZ,DR. MARIA  
 Addressee : MARTINEZ,DR. MARIA 4020227A  
 Lab. Reference: 23-72251789-BFM-0  
 Requested: Wednesday, 14 June 2023  
 Performed: Saturday, 17 June 2023  
 Test name: MASTER VITAMIN B12 FOLATE  
 Provider name: QML Pathology

CUMULATIVE VITAMIN B12 AND FOLATE ASSAYS

|           |          |        |            |
|-----------|----------|--------|------------|
| Date      | 17/06/23 |        |            |
| Time      | 08:25    |        |            |
| Lab No    | 72251789 |        |            |
| B12 Total | 368      | pmol/L | (162-811)  |
| S.Fol.    | 34.7     | nmol/L | (8.4-55.0) |

Comment:  
 72251789

Serum Folate Assay:  
 Adequate Serum Folate.  
 In the absence of recent oral intake, a serum folate >13 nmol/L effectively rules out folate deficiency. Consider repeat fasting Folate, if there has been inadequate fasting, and clinical concern remains.

Serum Vitamin B12 Assay:  
 Essentially normal B12 levels, although liver disease if present may falsely elevate the level.

Methodology:  
 B12 and Active B12 (HoloTC) assays performed on Siemens Atellica analyser.

For Doctor clinical enquiries, please contact Dr Peter Davidson 07 3121 4444.  
 Patients should contact their referring doctor in regard to this result.

Tests Completed:TSH, FREE T4, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE VIT D  
 Tests Pending :CA19-9, IRON STUDIES, SE E/LFT, SE HDL, SE CEA

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Start Patient : SARKIS,GEORGINA
2 40 CHELTENHAM DR, ROBINA QLD 4226
Birthdate: 24/10/1976 Age: Y46 Sex: F
Telephone: 0412139380

Your Reference :
QML Reference : 23-72251789
Medicare Number: 4458398721
Phone Enquiries: (07) 3121 4555

Referred By : MARTINEZ,DR. MARIA
Addressee : MARTINEZ,DR. MARIA 4020227A
Lab. Reference: 23-72251789-VD-0
Requested: Wednesday, 14 June 2023
Performed: Saturday, 17 June 2023
Test name: VITAMIN D,SERUM
Provider name: QML Pathology

CUMULATIVE SERUM VITAMIN D
Date 08/11/21 17/06/23
Time 06:55 08:25
Lab No 67970519 72251789
Vitamin D3 127 102 nmol/L (> 49)

72251789
** Progress report.

Tests Completed:TSH, FREE T4, FBC, SERUM FOLATE, SERUM VITAMIN B12, SE VIT D
Tests Pending :CA19-9, IRON STUDIES, SE E/LFT, SE HDL, SE CEA
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Start Patient : SARKIS,GEORGINA  
2 40 CHELTENHAM DR, ROBINA QLD 4226  
Birthdate: 24/10/1976 Age: Y46 Sex: F  
Telephone: 0412139380

Your Reference :  
QML Reference : 23-72251789  
Medicare Number: 4458398721  
Phone Enquiries: (07) 3121 4555

Referred By : MARTINEZ,DR. MARIA  
Addressee : MARTINEZ,DR. MARIA 4020227A  
Lab. Reference: 23-72251789-THY-0  
Requested: Wednesday, 14 June 2023  
Performed: Saturday, 17 June 2023  
Test name: THYROID TEST MASTER  
Provider name: QML Pathology

CUMULATIVE SERUM THYROID FUNCTION TESTS  
Date 03/01/20 27/03/21 17/06/23  
Time 07:30 10:15 08:25  
Lab No 71424725 69916821 72251789  
TSH 1.9 0.99 1.4 mIU/L (0.50-4.00)

Euthyroid level. However if hypopituitarism (rare) is suspected, free T4 assay may be indicated.

Please note that without a specific indication, Medicare does not fund

FT4 and FT3 testing in patients with normal TSH results. If these tests are clinically indicated please contact the laboratory.

Tests Completed:TSH, FREE T4, FBC  
Tests Pending :CA19-9, IRON STUDIES, SERUM FOLATE, SERUM VITAMIN B12, SE E/LFT  
Tests Pending :SE VIT D, SE HDL, SE CEA

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Start Patient : SARKIS,GEORGINA
2 40 CHELTENHAM DR, ROBINA QLD 4226
Birthdate: 24/10/1976 Age: Y46 Sex: F
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Your Reference :
QML Reference : 23-72251789
Medicare Number: 4458398721
Phone Enquiries: (07) 3121 4555

Referred By : MARTINEZ,DR. MARIA
Addressee : MARTINEZ,DR. MARIA 4020227A
Lab. Reference: 23-72251789-CBC-0
Requested: Wednesday, 14 June 2023
Performed: Saturday, 17 June 2023
Test name: MASTER FULL BLOOD COUNT
Provider name: QML Pathology

CUMULATIVE FULL BLOOD EXAMINATION

Date	08/11/21	14/12/21	16/12/21	17/06/23	
Time	06:55	13:40	19:05	08:25	
Lab No	67970519	29186784	63836307	72251789	
Hb	134	137	112	145	g/L (115-160)
RCC	4.3	4.3	3.6	4.8	x10 ^12 /L (3.6-5.2)
Hct	0.41	0.42	0.34	0.45	(0.33-0.46)
MCV	97	97	96	95	fL (80-98)
MCH	32	32	32	31	pg (27-35)
Plats	206	216	197	218	x10 ^9 /L (150-450)
WCC	4.9	6.5	8.9	4.9	x10 ^9 /L (4.0-11.0)
Neuts	2.5	4.1	5.8	47 % 2.3	x10 ^9 /L (2.0-7.5)
Lymphs	1.9	1.8	2.4	43 % 2.1	x10 ^9 /L (1.1-4.0)
Monos	0.4	0.5	0.7	8 % 0.4	x10 ^9 /L (0.2-1.0)
Eos	0.05	0.07	0.00	1 % 0.05	x10 ^9 /L (0.04-0.40)
Basos	0.05	0.07	0.00	1 % 0.05	x10 ^9 /L (< 0.21)

72251789 Automated Comment:
As per ISLH guidelines - Film not reviewed. If a film review is truly indicated, contact the laboratory within 24 hours of collection. Otherwise investigate any highlighted abnormalities as clinically appropriate.

All haematology parameters are within normal limits for age and sex.

** FINAL REPORT - Please destroy previous report **

Tests Completed:FBC
Tests Pending :CA19-9, TSH, FREE T4, IRON STUDIES, SERUM FOLATE, SERUM VITAMIN B12
Tests Pending :SE E/LFT, SE VIT D, SE HDL, SE CEA

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