

INVESTIGATION RESULTS

As at 1/12/2023.

Patient Details:

Patient Name: Ms Andrea McFarland
Address: 13 Hirono Court
PARKWOOD QLD 4214
Phone - Home: 0400466313
Phone - Work: 0400466313
D.O.B.: 9/6/1995
Record Number:
Medicare Number: 4383 31552 4 / 1
DVA Number:

Allergies/Adverse Reactions: **No known allergies/adverse reactions.**

Investigation Results:

Start Patient : MCFARLAND, ANDREA
13 HIRONO COURT, PARKWOOD 4214
Birthdate: 09/06/1995 Age: 28 Y Sex: F
Telephone: 0400466313
Your Reference : 96627000
SNP Reference : 681205964
Medicare Number: 4383315524
Phone Enquiries: Drs Daley, Kanowski, Price (07) 3377 8666 Biochemistry

Referred by : Dr Corne Mare
Addressee : Dr Corne Mare 233933NW
Lab. Reference: 681205964-E-E199
Requested: Tuesday, 14 November 2023
Performed: Saturday, 25 November 2023
Test name: S- FERTILITY HORMONES
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

Reproductive Hormones

Date	Latest Results				Units
	26-Feb-23	15-Jun-23	02-Sep-23	25-Nov-23	
Time F-Fast	0712 F	0639 F	0726 F	0743 F	
Lab Id.	672040012	682590087	682597900	681205964	Reference
FSH	3	3	4	3	IU/L
LH	7	10	3	8	IU/L
Oestradiol	307	306	98	390	pmol/L
Progesterone	31	13.9	0.5	29	nmol/L
Reference Limits	FSH IU/L	LH IU/L	Oestradiol pmol/L	Progesterone nmol/L	
Follicular	2 - 10	2 - 7	110 - 180	<0.5 - 2.5	
Mid-Cycle	7 - 24	9 - 74	550 - 1650	2.5 - 12.0	
Luteal	1 - 10	1 - 9	180 - 840	12.0 - 90.0	
Menopausal	20 - 140	10 - 65	<200	<2.2	
OCP	<5	<9	<80	<1.5	

VD

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

Tests Completed: Iron Studies, CRP, E/LFT, TFT, Vitamin B12, LH, FSH,
Oestradiol, Progesterone, Prolactin, Testosterone,
Insulin, DHEAS, Vitamin D, Cortisol AM, Thyroid Abs, FBE, ESR
Tests Pending : Copper (Serum), Zinc, Selenium, R-U-Iodine, Vitamin B2,
Vitamin B6, Thiamine DP, Reverse T3
Sample Pending :

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Start Patient : MCFARLAND,ANDREA  
 13 HIRONO COURT,PARKWOOD 4214  
 Birthdate: 09/06/1995 Age: 28 Y Sex: F  
 Telephone: 0400466313  
 Your Reference : 96627000  
 SNP Reference : 681205964  
 Medicare Number: 4383315524  
 Phone Enquiries: Drs Rowbotham, Wordsworth, Keng (07)3377 8666 Haematology

Referred by : Dr Corne Mare  
 Addressee : Dr Corne Mare 233933NW  
 Lab. Reference: 681205964-H-H050  
 Requested: Tuesday, 14 November 2023  
 Performed: Saturday, 25 November 2023  
 Test name: ESR  
 Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

|             | Latest Results |           |           |           |           |       |
|-------------|----------------|-----------|-----------|-----------|-----------|-------|
| Date        | 15-Jun-23      | 30-Aug-23 | 02-Sep-23 | 25-Nov-23 |           |       |
| Time F-Fast | 0639 F         | 0806      | 0726 F    | 0743 F    |           |       |
| Lab Id.     | 682590087      | 682631038 | 682597900 | 681205964 | Reference | Units |
| ESR         | 10             | 1         | 4         | 1         | (1-12)    | mm/h  |
| HA          |                |           |           |           |           |       |

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

Tests Completed: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,  
 Oestradiol,Prolactin,Testosterone,Insulin,DHEAS,  
 Vitamin D,Cortisol AM,Thyroid Abs,FBE,ESR  
 Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,  
 Vitamin B6,Progesterone,Thiamine DP,Reverse T3  
 Sample Pending :

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Start Patient : MCFARLAND,ANDREA
 13 HIRONO COURT,PARKWOOD 4214
 Birthdate: 09/06/1995 Age: 28 Y Sex: F
 Telephone: 0400466313
 Your Reference : 96627000
 SNP Reference : 681205964
 Medicare Number: 4383315524
 Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare
 Addressee : Dr Corne Mare 233933NW
 Lab. Reference: 681205964-E-E223
 Requested: Tuesday, 14 November 2023
 Performed: Saturday, 25 November 2023
 Test name: S- PROLACTIN
 Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

Prolactin

	Latest Results					
Date	26-Feb-23	15-Jun-23	02-Sep-23	25-Nov-23		
Time F-Fast	0712 F	0639 F	0726 F	0743 F		
Lab Id.	672040012	682590087	682597900	681205964	Reference	Units
Prolactin	323	185	278	370	(<500)	mIU/L

SM

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

Tests Completed: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,
Oestradiol,Prolactin,Testosterone,Insulin,DHEAS,
Vitamin D,Cortisol AM,Thyroid Abs,FBE,ESR
Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,
Vitamin B6,Progesterone,Thiamine DP,Reverse T3
Sample Pending :

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Start Patient : MCFARLAND,ANDREA  
13 HIRONO COURT,PARKWOOD 4214  
Birthdate: 09/06/1995 Age: 28 Y Sex: F  
Telephone: 0400466313  
Your Reference : 96627000  
SNP Reference : 681205964  
Medicare Number: 4383315524  
Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare  
Addressee : Dr Corne Mare 233933NW  
Lab. Reference: 681205964-E-E405  
Requested: Tuesday, 14 November 2023  
Performed: Saturday, 25 November 2023  
Test name: S-VITAMIN D  
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

|                   | Latest Results |           |           |           |        |
|-------------------|----------------|-----------|-----------|-----------|--------|
| Date              | 08-Feb-23      | 02-Sep-23 | 25-Nov-23 |           |        |
| Time F-Fast       | 0806 F         | 0726 F    | 0743 F    |           |        |
| Lab Id.           | 670195690      | 682597900 | 681205964 | Reference | Units  |
| Hydroxycalciferol | 74             | 87        | 94        | (50-150)  | nmol/L |

Comments on Collection 25-Nov-23 0743 F:  
According to the Position Statement 'Vitamin D and health in adults in Australia and New Zealand' MJA, 196(11):1-7, 2012, vitamin D status is defined as:  
Vitamin D adequacy: >49 nmol/L at the end of winter  
(levels may need to be 10-20 nmol/L higher at the end of summer, to allow for seasonal decrease.)  
Mild vitamin D deficiency: 30-49 nmol/L  
Moderate vitamin deficiency: 12.5-29 nmol/L  
Severe vitamin D deficiency: < 12.5 nmol/L

EA

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

Tests Completed: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,  
Oestradiol,Prolactin,Testosterone,Insulin,DHEAS,  
Vitamin D,Cortisol AM,Thyroid Abs,FBE,ESR  
Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,  
Vitamin B6,Progesterone,Thiamine DP,Reverse T3  
Sample Pending :

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Start Patient : MCFARLAND,ANDREA
13 HIRONO COURT,PARKWOOD 4214
Birthdate: 09/06/1995 Age: 28 Y Sex: F
Telephone: 0400466313
Your Reference : 96627000
SNP Reference : 681205964
Medicare Number: 4383315524

Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare
Addressee : Dr Corne Mare 233933NW
Lab. Reference: 681205964-C-H245
Requested: Tuesday, 14 November 2023
Performed: Saturday, 25 November 2023
Test name: .ANAEMIA
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

Haematinics

Date	Latest Results				Reference	Units
	15-Jun-23	30-Aug-23	02-Sep-23	25-Nov-23		
Time F-Fast	0639 F	0806	0726 F	0743 F		
Lab Id.	682590087	682631038	682597900	681205964		
Iron			11	20	(5-30)	umol/L
Transferrin			2.6	2.7	(1.9-3.1)	g/L
TIBC			65	69	(47-77)	umol/L
Trans Sat			17 L	29	(20-45)	%
Ferritin			73	56	(30-250)	ug/L
CRP	6 H	3.5	4.7	3.2	(<5)	mg/L
Vitamin B12			429	513	(>150)	pmol/L

Comments on Collection 25-Nov-23 0743 F:
Iron Studies
Normal Iron Status.

All patients with low or equivocal vitamin B12 results (400 pmol/L or less) will be routinely tested for holo-transcobalamin (active B12) to clarify the B12 status.

Both tests are now Medicare rebateable. Vitamin B12 concentrations over 400 pmol/L are generally considered replete.

EA

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

Tests Completed: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,
Oestradiol,Testosterone,Insulin,DHEAS,Cortisol AM,
Thyroid Abs,FBE

Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,
Vitamin B6,Progesterone,Prolactin,Thiamine DP,
Vitamin D,Reverse T3,ESR

Sample Pending :

Start Patient : MCFARLAND,ANDREA
13 HIRONO COURT,PARKWOOD 4214
Birthdate: 09/06/1995 Age: 28 Y Sex: F
Telephone: 0400466313
Your Reference : 96627000
SNP Reference : 681205964
Medicare Number: 4383315524
Phone Enquiries: Drs Rowbotham, Wordsworth, Keng (07)3377 8666 Haematology

Referred by : Dr Corne Mare
Addressee : Dr Corne Mare 233933NW
Lab. Reference: 681205964-H-H900
Requested: Tuesday, 14 November 2023
Performed: Saturday, 25 November 2023
Test name: .BLOOD COUNT
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

Haematology

Date	Latest Results				Reference	Units
	15-Jun-23	30-Aug-23	02-Sep-23	25-Nov-23		
Time F-Fast	0639 F	0806	0726 F	0743 F		
Lab Id.	682590087	682631038	682597900	681205964		
Haemoglobin	137	139	133	137	(115-165)	g/L
Haematocrit	0.42	0.43	0.41	0.41	(0.35-0.47)	
RCC	5.0	5.1	4.8	4.8	(3.9-5.6)	10*12/L
MCV	83	84	84	85	(80-100)	fL
WCC	5.7	7.0	5.7	6.1	(3.5-12.0)	10*9/L
Neutrophils	2.89	3.69	2.98	3.18	(1.5-8.0)	10*9/L
Lymphocytes	2.25	2.69	2.27	2.38	(1.0-4.0)	10*9/L
Monocytes	0.35	0.44	0.35	0.35	(0-0.9)	10*9/L
Eosinophils	0.13	0.09	0.09	0.11	(0-0.6)	10*9/L
Basophils	0.03	0.04	0.05	0.04	(0-0.15)	10*9/L
Platelets	232	239	213	202	(150-400)	10*9/L

HA

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

Tests Completed: Iron Studies, CRP, E/LFT, TFT, Vitamin B12, LH, FSH,
Oestradiol, Testosterone, Insulin, DHEAS, Cortisol AM,
Thyroid Abs, FBE

Tests Pending : Copper (Serum), Zinc, Selenium, R-U-Iodine, Vitamin B2,
Vitamin B6, Progesterone, Prolactin, Thiamine DP,
Vitamin D, Reverse T3, ESR

Sample Pending :

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Start Patient : MCFARLAND, ANDREA  
13 HIRONO COURT, PARKWOOD 4214  
Birthdate: 09/06/1995 Age: 28 Y Sex: F  
Telephone: 0400466313  
Your Reference : 96627000  
SNP Reference : 681205964  
Medicare Number: 4383315524  
Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare  
Addressee : Dr Corne Mare 233933NW  
Lab. Reference: 681205964-C-C763  
Requested: Tuesday, 14 November 2023  
Performed: Saturday, 25 November 2023  
Test name: IODINE-R-URINE  
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

| Date               | Latest Results |           |                  |        | Reference | Units  |
|--------------------|----------------|-----------|------------------|--------|-----------|--------|
|                    | 17-Oct-22      | 02-Sep-23 | 25-Nov-23        |        |           |        |
| <b>Time F-Fast</b> | 0841 F         | 0726 F    | <b>0743 F</b>    |        |           |        |
| <b>Lab Id.</b>     | 667966647      | 682597900 | <b>681205964</b> |        |           |        |
| R-U-Creatinine     | 0.9            | 3.1       | 0.8              |        |           | mmol/L |
| R-U-Iodine         | 7 L            | 150       | 28 L             | (>100) |           | ug/L   |
| Creat Cor Iodine   | 69 L           | 421       | 305              | (>100) |           | ug/L   |

Comments on Collection 25-Nov-23 0743 F:

R-U-Iodine

Iodine levels are interpreted using the WHO criteria. However, the creatinine-corrected iodine level allows for iodine assessment in urine samples which are more dilute or concentrated than usual.

WHO classification of iodine deficiency - Urine Iodine levels:

Not Iodine deficient: >100 ug/L urine  
Mild Iodine deficiency: 50 - 100 ug/L urine  
Moderate Iodine deficiency: 20 - 49 ug/L urine

Severe Iodine deficiency: <20 ug/L urine

To convert Iodine ug/L to Iodine nmol/L  
ug/L x 7.88 = nmol/L

HMRC recommends supplementation of 150ug/day of Iodine to ensure that all women who are pregnant, breastfeeding or considering pregnancy have adequate iodine status. Women should not take kelp (seaweed) supplements or kelp based products because they may contain varying levels of iodine and may be contaminated with heavy metals such as mercury.

HX

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

Tests Completed: Copper (Serum), Iron Studies, CRP, Zinc, Selenium,  
R-U-Iodine, E/LFT, TFT , Vitamin B12, LH, FSH, Oestradiol,  
Progesterone, Prolactin, Testosterone, Insulin, DHEAS,  
Vitamin D, Cortisol AM, Thyroid Abs, Reverse T3, FBE, ESR

Tests Pending : Vitamin B2, Vitamin B6, Thiamine DP

Sample Pending :

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Start Patient : MCFARLAND, ANDREA
13 HIRONO COURT, PARKWOOD 4214
Birthdate: 09/06/1995 Age: 28 Y Sex: F
Telephone: 0400466313
Your Reference : 96627000
SNP Reference : 681205964
Medicare Number: 4383315524
Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare
Addressee : Dr Corne Mare 233933NW
Lab. Reference: 681205964-E-E515
Requested: Tuesday, 14 November 2023
Performed: Saturday, 25 November 2023
Test name: S- ANDROGENS
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

Androgens

				Latest Results		
Date	08-Feb-23	15-Jun-23	02-Sep-23	25-Nov-23		
Time F-Fast	0806 F	0639 F	0726 F	0743 F		
Lab Id.	670195690	682590087	682597900	681205964	Reference	Units
Testosterone	1.4	2.3 H	1.4	1.7	(<2.2)	nmol/L
SHBG		46			(20.0-110.0)	nmol/L
Calculated FTe		34			(3-37)	pmol/L

EA

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

Tests Completed: Iron Studies, CRP, E/LFT, TFT , Vitamin B12, LH, FSH,
Oestradiol, Testosterone, Insulin, DHEAS, Cortisol AM,
Thyroid Abs, FBE

Tests Pending : Copper (Serum), Zinc, Selenium, R-U-Iodine, Vitamin B2,
Vitamin B6, Progesterone, Prolactin, Thiamine DP,
Vitamin D, Reverse T3, ESR

Sample Pending :

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Start Patient : MCFARLAND, ANDREA  
13 HIRONO COURT, PARKWOOD 4214  
Birthdate: 09/06/1995 Age: 28 Y Sex: F  
Telephone: 0400466313

Your Reference : 96627000  
SNP Reference : 681205964  
Medicare Number: 4383315524  
Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare  
Addressee : Dr Corne Mare 233933NW  
Lab. Reference: 681205964-E-E557  
Requested: Tuesday, 14 November 2023  
Performed: Saturday, 25 November 2023  
Test name: S- CORTISOL  
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

#### Cortisol

|             | Latest Results |           |           |           |           |        |
|-------------|----------------|-----------|-----------|-----------|-----------|--------|
| Date        | 26-Feb-23      | 15-Jun-23 | 02-Sep-23 | 25-Nov-23 |           |        |
| Time F-Fast | 0712 F         | 0639 F    | 0726 F    | 0743 F    |           |        |
| Lab Id.     | 672040012      | 682590087 | 682597900 | 681205964 | Reference | Units  |
| Cortisol am | 270            | 266       | 242       | 422       | (100-535) | nmol/L |

EA

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

Tests Completed: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,  
Oestradiol,Testosterone,Insulin,DHEAS,Cortisol AM,  
Thyroid Abs,FBE

Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,  
Vitamin B6,Progesterone,Prolactin,Thiamine DP,  
Vitamin D,Reverse T3,ESR

Sample Pending :

Start Patient : MCFARLAND,ANDREA  
13 HIRONO COURT,PARKWOOD 4214  
Birthdate: 09/06/1995 Age: 28 Y Sex: F  
Telephone: 0400466313  
Your Reference : 96627000  
SNP Reference : 681205964  
Medicare Number: 4383315524  
Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare  
Addressee : Dr Corne Mare 233933NW  
Lab. Reference: 681205964-E-E725  
Requested: Tuesday, 14 November 2023  
Performed: Saturday, 25 November 2023  
Test name: S- THYROID ANTIBODIES  
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

#### Thyroid Antibodies

|                  | Latest Results |           |           |           |           |       |
|------------------|----------------|-----------|-----------|-----------|-----------|-------|
| Date             | 17-Oct-22      | 08-Feb-23 | 02-Sep-23 | 25-Nov-23 |           |       |
| Time F-Fast      | 0841 F         | 0806 F    | 0726 F    | 0743 F    |           |       |
| Lab Id.          | 667966647      | 670195690 | 682597900 | 681205964 | Reference | Units |
| Peroxidase Ab    | 1.4            | 5.8 H     | 1.6       | 2.8       | (<5.6)    | IU/mL |
| Thyroglobulin Ab | 3.2            | 2.1       | 3.5       | 2.3       | (<4.1)    | IU/mL |
| TRAB             | <0.9           |           |           |           | (<1.8)    | IU/L  |
| TSI              | <0.10          |           |           |           | (<0.55)   | IU/L  |

Comments on Collection 25-Nov-23 0743 F:

Thyroid Antibodies: Levels up to 100 IU/mL can occur in normal subjects (5% of males, 15% of females - mainly elderly) and may also

occur in non-thyroid autoimmune and chromosomal disorders.

Raised levels may occur in prodromal hypothyroidism before TSH elevations occur and may also be seen in thyrotoxicosis, thyroiditis, non-toxic goitre and thyroid cancer. The levels seen in Graves' Disease and Hashimoto's can vary from normal up to >1000, but are usually elevated.

From the 30th of August 2022 reference intervals and results have been modified to one decimal place for Thyroid Thyroglobulin and Peroxidase antibodies.

EA

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

Tests Completed: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,  
Oestradiol,Testosterone,Insulin,DHEAS,Cortisol AM,  
Thyroid Abs,FBE

Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,  
Vitamin B6,Progesterone,Prolactin,Thiamine DP,  
Vitamin D,Reverse T3,ESR

Sample Pending :

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Start Patient : MCFARLAND,ANDREA
13 HIRONO COURT,PARKWOOD 4214
Birthdate: 09/06/1995 Age: 28 Y Sex: F
Telephone: 0400466313
Your Reference : 96627000
SNP Reference : 681205964
Medicare Number: 4383315524
Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare
Addressee : Dr Corne Mare 233933NW
Lab. Reference: 681205964-E-E030
Requested: Tuesday, 14 November 2023
Performed: Saturday, 25 November 2023
Test name: S- THYROID FUNCTION
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

Thyroid Function Tests

Date	Latest Results				Reference	Units
	08-Feb-23	15-Jun-23	02-Sep-23	25-Nov-23		
Time F-Fast	0806 F	0639 F	0726 F	0743 F		
Lab Id.	670195690	682590087	682597900	681205964		
Free T4	13.6	13.7	13.1	14.5	(9.0-19.0)	pmol/L
Free T3	4.2		4.5	4.4	(2.6-6.0)	pmol/L
TSH	1.8	2.1	2.2	2.4	(0.3-3.5)	mIU/L

Comments on Collection 25-Nov-23 0743 F:
Euthyroid

EA

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

Tests Completed: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,
Oestradiol,Testosterone,Insulin,DHEAS,Cortisol AM,
Thyroid Abs,FBE

Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,
Vitamin B6,Progesterone,Prolactin,Thiamine DP,
Vitamin D,Reverse T3,ESR

Sample Pending :

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Start Patient : MCFARLAND,ANDREA  
 13 HIRONO COURT,PARKWOOD 4214  
 Birthdate: 09/06/1995 Age: 28 Y Sex: F  
 Telephone: 0400466313  
 Your Reference : 96627000  
 SNP Reference : 681205964  
 Medicare Number: 4383315524  
 Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare  
 Addressee : Dr Corne Mare 233933NW  
 Lab. Reference: 681205964-C-C140  
 Requested: Tuesday, 14 November 2023  
 Performed: Saturday, 25 November 2023  
 Test name: S- ROUTINE CHEMISTRY  
 Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

# Chemistry (serum)

|                  | Latest Results |           |           |           |               |        |
|------------------|----------------|-----------|-----------|-----------|---------------|--------|
| Date             | 15-Jun-23      | 30-Aug-23 | 02-Sep-23 | 25-Nov-23 |               |        |
| Time F-Fast      | 0639 F         | 0806      | 0726 F    | 0743 F    |               |        |
| Lab Id.          | 682590087      | 682631038 | 682597900 | 681205964 | Reference     | Units  |
| Sodium           | 138            | 136       | 138       | 134 L     | (135-145)     | mmol/L |
| Potassium        | 3.8            | 4.0       | 4.0       | 4.0       | (3.5-5.5)     | mmol/L |
| Chloride         | 102            | 106       | 106       | 102       | (95-110)      | mmol/L |
| Bicarbonate      | 27             | 25        | 26        | 24        | (20-32)       | mmol/L |
| Anion Gap        | 9              | 5         | 6         | 8         | (<16)         | mmol/L |
| Calcium (Corr.)  | 2.39           | 2.39      | 2.35      | 2.35      | (2.10-2.60)   | mmol/L |
| Phosphate        | 1.17           | 1.18      | 1.15      | 1.05      | (0.80-1.50)   | mmol/L |
| Urea             | 4.8            | 4.0       | 3.4       | 4.0       | (2.5-6.5)     | mmol/L |
| Urate            | 0.434 H        | 0.347     | 0.346     | 0.339     | (0.150-0.400) | mmol/L |
| Creatinine       | 64             | 63        | 60        | 56        | (45-85)       | umol/L |
| eGFR             | >90            | >90       | >90       | >90       | (>59)         |        |
| Fast. Glucose    | 4.5            |           | 5.1       | 5.0       | (3.6-6.0)     | mmol/L |
| Random Glucose   |                | 4.9       |           |           | (3.6-7.7)     | mmol/L |
| Total Protein    | 74             | 71        | 72        | 74        | (64-81)       | g/L    |
| Albumin          | 42             | 40        | 40        | 40        | (33-46)       | g/L    |
| Globulin         | 32             | 31        | 32        | 34        | (23-43)       | g/L    |
| T Bilirubin      | 11             | 10        | 8         | 10        | (<16)         | umol/L |
| ALP              | 72             | 78        | 76        | 67        | (20-105)      | U/L    |
| AST              | 15             | 15        | 14        | 17        | (10-35)       | U/L    |
| ALT              | 13             | 16        | 15        | 19        | (5-30)        | U/L    |
| GGT              | 28             | 27        | 26        | 28        | (5-35)        | U/L    |
| LDH              | 150            | 153       | 160       | 148       | (<250)        | U/L    |
| Cholesterol      | 4.7            | 4.2       | 4.4       | 4.6       | (<5.6)        | mmol/L |
| Haemolysis Index | 1              | 4         | 1         | 1         | (<40)         | mg/dL  |

CA

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

Tests Completed: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,  
 Oestradiol,Testosterone,Insulin,DHEAS,Cortisol AM,  
 Thyroid Abs,FBE  
 Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,  
 Vitamin B6,Progesterone,Prolactin,Thiamine DP,  
 Vitamin D,Reverse T3,ESR

Sample Pending :

Start Patient : MCFARLAND,ANDREA

13 HIRONO COURT,PARKWOOD 4214  
 Birthdate: 09/06/1995 Age: 28 Y Sex: F  
 Telephone: 0400466313  
 Your Reference : 96627000  
 SNP Reference : 681205964  
 Medicare Number: 4383315524  
 Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare  
 Addressee : Dr Corne Mare 233933NW  
 Lab. Reference: 681205964-C-C290  
 Requested: Tuesday, 14 November 2023  
 Performed: Saturday, 25 November 2023  
 Test name: S-C REACTIVE PROTEIN  
 Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

|             | Latest Results |           |           |           |                 |
|-------------|----------------|-----------|-----------|-----------|-----------------|
| Date        | 15-Jun-23      | 30-Aug-23 | 02-Sep-23 | 25-Nov-23 |                 |
| Time F-Fast | 0639 F         | 0806      | 0726 F    | 0743 F    |                 |
| Lab Id.     | 682590087      | 682631038 | 682597900 | 681205964 | Reference Units |
| CRP         | 6 H            | 3.5       | 4.7       | 3.2 (<5)  | mg/L            |

Comments on Collection 25-Nov-23 0743 F:

C Reactive Protein

Interpretation: Elevation in CRP indicates disease activity of an inflammatory, infective or neoplastic nature. CRP is a more sensitive early indicator of an acute phase response than is the ESR. It also returns towards normal more rapidly with improvement or resolution of the disease process.

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: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,  
 Oestradiol,Testosterone,Insulin,DHEAS,Cortisol AM,  
 Thyroid Abs,FBE

Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,  
 Vitamin B6,Progesterone,Prolactin,Thiamine DP,  
 Vitamin D,Reverse T3,ESR

Sample Pending :

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Start Patient : MCFARLAND,ANDREA
 13 HIRONO COURT,PARKWOOD 4214
 Birthdate: 09/06/1995 Age: 28 Y Sex: F
 Telephone: 0400466313
 Your Reference : 96627000
 SNP Reference : 681205964
 Medicare Number: 4383315524
 Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare
 Addressee : Dr Corne Mare 233933NW
 Lab. Reference: 681205964-E-E345
 Requested: Tuesday, 14 November 2023
 Performed: Saturday, 25 November 2023
 Test name: S-DHEAS
 Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

Latest Results

Date	09-Aug-22	17-Oct-22	02-Sep-23	25-Nov-23		
Time F-Fast	0830 F	0841 F	0726 F	0743 F		
Lab Id.	668017798	667966647	682597900	681205964	Reference	Units

DHEAS	12.3 H	11.0 H	11.2	11.0	(2.4-13.9)	umol/L
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Comments on Collection 25-Nov-23 0743 F:

DHEAS is performed by Abbott CMIA.

As of 29/05/23 the SNP Reference Intervals for DHEAS have been amended to align with CALIPER Intervals for children and Abbott Intervals for adults.

EA

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

Tests Completed: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,
Oestradiol,Testosterone,Insulin,DHEAS,Cortisol AM,
Thyroid Abs,FBE

Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,
Vitamin B6,Progesterone,Prolactin,Thiamine DP,
Vitamin D,Reverse T3,ESR

Sample Pending :

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Start Patient : MCFARLAND,ANDREA  
13 HIRONO COURT,PARKWOOD 4214  
Birthdate: 09/06/1995 Age: 28 Y Sex: F  
Telephone: 0400466313  
Your Reference : 96627000  
SNP Reference : 681205964  
Medicare Number: 4383315524  
Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare  
Addressee : Dr Corne Mare 233933NW  
Lab. Reference: 681205964-E-E320  
Requested: Tuesday, 14 November 2023  
Performed: Saturday, 25 November 2023  
Test name: S-INSULIN  
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

|                    |           |           |           |                       |           |       |
|--------------------|-----------|-----------|-----------|-----------------------|-----------|-------|
|                    |           |           |           | <b>Latest Results</b> |           |       |
| <b>Date</b>        | 17-Oct-22 | 26-Feb-23 | 02-Sep-23 | <b>25-Nov-23</b>      |           |       |
| <b>Time F-Fast</b> | 0841 F    | 0712 F    | 0726 F    | <b>0743 F</b>         |           |       |
| <b>Lab Id.</b>     | 667966647 | 672040012 | 682597900 | <b>681205964</b>      | Reference | Units |

  

|           |   |   |   |   |        |      |
|-----------|---|---|---|---|--------|------|
| S-Insulin | 8 | 7 | 7 | 7 | (3-15) | mU/L |
|-----------|---|---|---|---|--------|------|

Comments on Collection 25-Nov-23 0743 F:

Please note: The insulin reference interval only refers to a fasting collection

EA

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

Tests Completed: Iron Studies,CRP,E/LFT,TFT ,Vitamin B12,LH,FSH,  
Oestradiol,Testosterone,Insulin,DHEAS,Cortisol AM,  
Thyroid Abs,FBE

Tests Pending : Copper (Serum),Zinc,Selenium,R-U-Iodine,Vitamin B2,  
Vitamin B6,Progesterone,Prolactin,Thiamine DP,  
Vitamin D,Reverse T3,ESR

Sample Pending :

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Start Patient : MCFARLAND,ANDREA
13 HIRONO COURT,PARKWOOD 4214

Birthdate: 09/06/1995 Age: 28 Y Sex: F
Telephone: 0400466313
Your Reference : 96627000
SNP Reference : 681205964
Medicare Number: 4383315524
Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare
Addressee : Dr Corne Mare 233933NW
Lab. Reference: 681205964-E-E193
Requested: Tuesday, 14 November 2023
Performed: Saturday, 25 November 2023
Test name: VITAMIN B
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

Vitamin B1/B2/B6

	Latest Results			
Date	02-Sep-23	25-Nov-23		
Time F-Fast	0726 F	0743 F		
Lab Id.	682597900	681205964	Reference	Units
Thiamine DP	180	190	(66-200)	nmol/L
Vitamin B2	300	290	(180-470)	nmol/L
Vitamin B6	520 H	260 H	(20-190)	nmol/L

Comments on Collection 25-Nov-23 0743 F:
Elevated vitamin B6 is most likely due to excess consumption. B6 is present in many over the counter preparations (including magnesium supplements) and in energy drinks. B6 > 250 nmol/L is associated with peripheral neuropathy. For patients not consuming excess B6, elevated levels may indicate Hypophosphatasaemia. This condition is rare and patients will have low alkaline phosphatase and high urine phosphoethanolamine.

EA

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

Tests Completed: Copper (Serum), Iron Studies, CRP, Zinc, Selenium,
R-U-Iodine, E/LFT, TFT , Vitamin B12, Vitamin B2,
Vitamin B6, LH, FSH, Oestradiol, Progesterone, Prolactin,
Thiamine DP, Testosterone, Insulin, DHEAS, Vitamin D,
Cortisol AM, Thyroid Abs, Reverse T3, FBE, ESR

Tests Pending :
Sample Pending :

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Start Patient :      MCFARLAND, ANDREA  
13 HIRONO COURT, PARKWOOD 4214  
Birthdate: 09/06/1995      Age: 28 Y      Sex: F  
Telephone: 0400466313  
Your Reference :      96627000  
SNP Reference :      681205964  
Medicare Number:      4383315524  
Phone Enquiries:      Drs Daley, Kanowski, Price      (07)3377 8666 Biochemistry

Referred by :      Dr Corne Mare  
Addressee :      Dr Corne Mare      233933NW  
Lab. Reference: 681205964-C-B091  
Requested: Tuesday, 14 November 2023  
Performed: Saturday, 25 November 2023  
Test name: \_COPPER VIRTUAL  
Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

**Copper**

**Latest Results**

| Date         | 17-Oct-22 | 08-Feb-23 | 02-Sep-23 | 25-Nov-23 |             |        |
|--------------|-----------|-----------|-----------|-----------|-------------|--------|
| Time F-Fast  | 0841 F    | 0806 F    | 0726 F    | 0743 F    |             |        |
| Lab Id.      | 667966647 | 670195690 | 682597900 | 681205964 | Reference   | Units  |
| Copper-serum | 21.0      | 18.8      | 19.2      | 18.0      | (13.0-25.0) | umol/L |

CA

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

Tests Completed: Copper (Serum), Iron Studies, CRP, Zinc, Selenium, E/LFT, TFT, Vitamin B12, LH, FSH, Oestradiol, Progesterone, Prolactin, Testosterone, Insulin, DHEAS, Vitamin D, Cortisol AM, Thyroid Abs, Reverse T3, FBE, ESR

Tests Pending : R-U-Iodine, Vitamin B2, Vitamin B6, Thiamine DP

Sample Pending :

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Start Patient : MCFARLAND, ANDREA
 13 HIRONO COURT, PARKWOOD 4214
 Birthdate: 09/06/1995 Age: 28 Y Sex: F
 Telephone: 0400466313
 Your Reference : 96627000
 SNP Reference : 681205964
 Medicare Number: 4383315524
 Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare
 Addressee : Dr Corne Mare 233933NW
 Lab. Reference: 681205964-C-B096
 Requested: Tuesday, 14 November 2023
 Performed: Saturday, 25 November 2023
 Test name: _SELENIUM VIRTUAL
 Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

Selenium

	Latest Results				
Date	17-Oct-22	02-Sep-23	25-Nov-23		
Time F-Fast	0841 F	0726 F	0743 F		
Lab Id.	667966647	682597900	681205964	Reference	Units
Selenium-plasma	1.6 H	1.5	1.7	(0.7-2.0)	umol/L

Comments on Collection 25-Nov-23 0743 F:

Selenium (Plasma)

As of 22/05/23 the SNP Reference Intervals for plasma selenium have been updated

HX

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

Tests Completed: Copper (Serum), Iron Studies, CRP, Zinc, Selenium, E/LFT, TFT, Vitamin B12, LH, FSH, Oestradiol, Progesterone, Prolactin, Testosterone, Insulin, DHEAS, Vitamin D, Cortisol AM, Thyroid Abs, Reverse T3, FBE, ESR

Tests Pending : R-U-Iodine, Vitamin B2, Vitamin B6, Thiamine DP

Sample Pending :

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Start Patient : MCFARLAND, ANDREA  
 13 HIRONO COURT, PARKWOOD 4214  
 Birthdate: 09/06/1995 Age: 28 Y Sex: F  
 Telephone: 0400466313  
 Your Reference : 96627000  
 SNP Reference : 681205964  
 Medicare Number: 4383315524

Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare  
 Addressee : Dr Corne Mare 233933NW  
 Lab. Reference: 681205964-C-B099  
 Requested: Tuesday, 14 November 2023  
 Performed: Saturday, 25 November 2023  
 Test name: \_ZINC VIRTUAL  
 Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

# **Zinc**

|             | Latest Results |           |           |           |            |        |
|-------------|----------------|-----------|-----------|-----------|------------|--------|
| Date        | 08-Feb-23      | 15-Jun-23 | 02-Sep-23 | 25-Nov-23 |            |        |
| Time F-Fast | 0806 F         | 0639 F    | 0726 F    | 0743 F    |            |        |
| Lab Id.     | 670195690      | 682590087 | 682597900 | 681205964 | Reference  | Units  |
| Zinc-plasma | 14.6           | 13.4      | 20.6 H    | 16.5      | (9.0-19.0) | umol/L |

CA

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

Tests Completed: Copper (Serum),Iron Studies,CRP,Zinc,Selenium,E/LFT,  
 TFT ,Vitamin B12,LH,FSH,Oestradiol,Progesterone,  
 Prolactin,Testosterone,Insulin,DHEAS,Vitamin D,  
 Cortisol AM,Thyroid Abs,Reverse T3,FBE,ESR

Tests Pending : R-U-Iodine,Vitamin B2,Vitamin B6,Thiamine DP

Sample Pending :

Start Patient : MCFARLAND,ANDREA  
 13 HIRONO COURT,PARKWOOD 4214  
 Birthdate: 09/06/1995 Age: 28 Y Sex: F  
 Telephone: 0400466313  
 Your Reference : 96627000  
 SNP Reference : 681205964  
 Medicare Number: 4383315524  
 Phone Enquiries: Drs Daley, Kanowski, Price (07)3377 8666 Biochemistry

Referred by : Dr Corne Mare  
 Addressee : Dr Corne Mare 233933NW  
 Lab. Reference: 681205964-E-E815  
 Requested: Tuesday, 14 November 2023  
 Performed: Saturday, 25 November 2023  
 Test name: S-REVERSE T3  
 Provider name: SNP

Clinical Notes : Telehealth General pathology BULKBILL

|             | Latest Results |           |           |           |  |        |
|-------------|----------------|-----------|-----------|-----------|--|--------|
| Date        | 17-Oct-22      | 02-Sep-23 | 25-Nov-23 |           |  |        |
| Time F-Fast | 0841 F         | 0726 F    | 0743 F    |           |  |        |
| Lab Id.     | 667966647      | 682597900 | 681205964 | Reference |  | Units  |
| Reverse T3  | 567 H          | 502       | 485       | (140-540) |  | pmol/L |

CE

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

Tests Completed: Copper (Serum),Iron Studies,CRP,Zinc,Selenium,E/LFT,  
 TFT ,Vitamin B12,LH,FSH,Oestradiol,Progesterone,  
 Prolactin,Testosterone,Insulin,DHEAS,Vitamin D,  
 Cortisol AM,Thyroid Abs,Reverse T3,FBE,ESR

Tests Pending : R-U-Iodine,Vitamin B2,Vitamin B6,Thiamine DP

Sample Pending :