

Name: **Cherie Cowin (27/10/1969)**

Date: 22/2/2017

Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 44 Y Sex: F
Telephone: 0403186296
Your Reference :
DHP Reference : 277451524
Medicare Number: 2348489481
Phone Enquiries:
Referred by : Dr Jude Watt
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 277451524-E-ZHormones
Requested: 07/07/2014 00:00:00
Performed: 08/07/2014 00:00:00
Test name: ZHORMONES
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

Reproductive Hormones

(Abbott Architect Method)

DHEAS 5.8 umol/L (2.4 - 13)

Comment on Lab ID 277451524

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: DHEAS,LFT,CT,C,UCr,E,PO4,Urate,FE STUDIES,CA,CRP,
MAGNESIUM,VIT D,ZN-S,:TFT,TEST,.SHBG/FAI,THYROID ABS,
RU-Iod,FBC

Tests Pending : B-Hg,CU-S

Sample Pending :

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Start Patient : COWIN,CHERIE  
24/25A MARKS ST,NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 44 Y Sex: F  
Telephone: 0403186296  
Your Reference :  
DHP Reference : 277451524  
Medicare Number: 2348489481  
Phone Enquiries: Supervising Path. G C  
Referred by : Dr Jude Watt  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 277451524-R-IOUR  
Requested: 07/07/2014 00:00:00  
Performed: 08/07/2014 00:00:00  
Test name: RU-IOD  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

**Random Urine Iodine**

U-Creatinine 5.5 mmol/L  
Urine iodine 224 ug/L

Comment on Lab ID 277451524

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

NATA Accreditation No 2178

Tests Completed: DHEAS,LFT,CT,C,UCr,E,PO4,Urate,FE STUDIES,CA,CRP,  
MAGNESIUM,VIT D,ZN-S,:TFT,TEST,.SHBG/FAI,THYROID ABS,  
RU-Iod,FBC

Tests Pending : B-Hg,CU-S

Sample Pending :

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Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 44 Y Sex: F
Telephone: 0403186296
Your Reference :
DHP Reference : 277451524
Medicare Number: 2348489481
Phone Enquiries: Supervising Path. FH
Referred by : Dr Jude Watt
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 277451524-H- HAEM VIRTUAL
Requested: 07/07/2014 00:00:00
Performed: 08/07/2014 00:00:00
Test name: HAEMATOLOGY
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

HAEMATOLOGY

Date	21/02/13	27/07/13	28/05/14	08/07/14		
Time F-Fast	0843 F	1302 F	0815 F	0955 F		
Lab ID	237657721	276989592	293374468	277451524	Units	Range
Haemoglobin	153	157	144	150	g/L	(119-160)
RCC	4.8	4.9	5.0	5.2	x10*12/L	(3.8-5.8)
Haematocrit (0.35-0.48)	0.46	0.47	0.44	0.46		
MCV	95	97	87	88	fL	(80-100)
MCH (27.0-32.0)	31.8	* 32.2	28.6	29.0	pg	
MCHC	335	331	328	328	g/L	(310-360)
RDW (10.0-15.0)	13.6	12.2	13.2	12.9		
WCC (4.0-11.0)	6.2	6.6	5.2	10.8	x10*9/L	
Neutrophils	3.98	3.90	2.02	6.31	x10*9/L	(2.0-7.5)
Lymphocytes	1.80	2.08	2.58	3.60	x10*9/L	(1.0-4.0)
Monocytes	0.29	0.51	0.52	0.76	x10*9/L	(0.0-1.0)
Eosinophils	0.09	0.06	0.07	0.08	x10*9/L	(0.0-0.5)
Basophils	0.03	0.03	0.01	0.02	x10*9/L	(0.0-0.3)
Platelets	261	258	230	268	x10*9/L	(150-450)
ESR		3	5		mm/h	(1-27)

Comments on Collection 08/07/14 0955 F:
Full blood count is within reference limits

Supervising Pathologist: FH

NATA Accreditation No 2178

Tests Completed: DHEAS, LFT, CT, C, UCr, E, PO4, Urate, FE STUDIES, CA, CRP,
MAGNESIUM, VIT D, ZN-S, :TFT, TEST, .SHBG/FAI, THYROID ABS,
RU-Iod, FBC

Tests Pending : B-Hg, CU-S

Sample Pending :

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Start Patient : COWIN, CHERIE  
24/25A MARKS ST, NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 44 Y Sex: F  
Telephone: 0403186296  
Your Reference :  
DHP Reference : 277451524  
Medicare Number: 2348489481  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Jude Watt  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 277451524-C-Biochemistry  
Requested: 07/07/2014 00:00:00  
Performed: 08/07/2014 00:00:00  
Test name: BIOCHEMISTRY  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

**BIOCHEMISTRY**

| Date          | 04/04/13  | 27/07/13  | 28/05/14  | 08/07/14  |               |           |
|---------------|-----------|-----------|-----------|-----------|---------------|-----------|
| Time F-Fast   | 0800      | 1302 F    | 0815 F    | 0955 F    |               |           |
| Lab ID        | 276036914 | 276989592 | 293374468 | 277451524 | Units         | Range     |
| Status        | Unknown   | Fasting   | Fasting   | Fasting   |               |           |
| Sodium        |           | 135       | 140       | 136       | mmol/L        | (135-145) |
| Potassium     |           | 4.0       | 4.5       | 4.4       | mmol/L        | (3.5-5.5) |
| Chloride      |           | 103       | 106       | 103       | mmol/L        | (95-110)  |
| Bicarbonate   |           | 25        | 23        | 26        | mmol/L        | (20-32)   |
| Urea          |           | * 7.8     | * 7.8     | 6.4       | mmol/L        | (2.5-7.0) |
| Creatinine    |           | 60        | 60        | 55        | umol/L        | (45-85)   |
| eGFR          |           | >90       | >90       | >90       | mL/min/1.73m2 | (>59)     |
| Urate         |           |           |           | 0.23      | mmol/L        |           |
| (0.15-0.40)   |           |           |           |           |               |           |
| Calcium       |           | 2.37      |           | 2.48      | mmol/L        |           |
| (2.15-2.55)   |           |           |           |           |               |           |
| Corr Calcium  |           | 2.33      |           | 2.50      | mmol/L        |           |
| (2.15-2.55)   |           |           |           |           |               |           |
| Phosphate.    |           |           |           | 1.33      | mmol/L        | (0.8-1.5) |
| Bili.Total    |           | 13        | 6         | 9         | umol/L        | (3-15)    |
| ALP           |           | 42        | 77        | 73        | U/L           | (20-105)  |
| GGT           |           | 12        | 10        | 15        | U/L           | (5-35)    |
| LD            |           | 175       | 145       | 136       | U/L           | (120-250) |
| AST           |           | 26        | 21        | 24        | U/L           | (10-35)   |
| ALT           |           | 12        | 16        | 22        | U/L           | (5-30)    |
| Total Protein |           | 74        | 73        | 73        | g/L           | (68-85)   |
| Albumin       |           | 45        | 44        | 42        | g/L           | (37-48)   |
| Globulin      |           | 29        | 29        | 31        | g/L           | (23-39)   |
| Cholesterol   | 5.2       | 4.7       | * 3.7     | 4.2       | mmol/L        | (3.9-5.5) |
| Triglycerides | 0.6       | 0.5       | 0.6       | 0.7       | mmol/L        | (0.5-1.7) |

Comments on Collection 08/07/14 0955 F:

eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: DHEAS,LFT,CT,C,UCr,E,PO4,Urate,FE STUDIES,CA,CRP,  
MAGNESIUM,VIT D,ZN-S,:TFT,TEST,.SHBG/FAI,THYROID ABS,  
RU-Iod,FBC

Tests Pending : B-Hg,CU-S

Sample Pending :

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Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 44 Y Sex: F
Telephone: 0403186296
Your Reference :
DHP Reference : 277451524
Medicare Number: 2348489481
Phone Enquiries: Supervising Path. GC, NT
Referred by : Dr Jude Watt
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 277451524-C-Iron Studies
Requested: 07/07/2014 00:00:00
Performed: 08/07/2014 00:00:00
Test name: IRON STUDIES
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

IRON

Date	16/08/11	21/02/13	28/05/14	08/07/14		
Time F-Fast	0840 F	0843 F	0815 F	0955 F		
Lab ID	209925894	237657721	293374468	277451524	Units	Range
Iron	13.6		12.4	20.9	umol/L	
(5.0-30.0)						
Transferrin	2.3		2.3	2.6	g/L	(2.0-3.6)
TIBC (Calc)	52		52	58	umol/L	(46-77)
Saturation	26		24	36	%	(10-45)
Ferritin	29	102	119	74	ug/L	(15-200)

Comments on Collection 08/07/14 0955 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: DHEAS,LFT,CT,C,UCr,E,PO4,Urate,FE STUDIES,CA,CRP,
MAGNESIUM,VIT D,ZN-S,:TFT,TEST,.SHBG/FAI,THYROID ABS,
RU-Iod,FBC

Tests Pending : B-Hg,CU-S

Sample Pending :

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Start Patient : COWIN,CHERIE

24/25A MARKS ST,NAREMBURN 2065  
 Birthdate: 27/10/1969 Age: 44 Y Sex: F  
 Telephone: 0403186296  
 Your Reference :  
 DHP Reference : 277451524  
 Medicare Number: 2348489481  
 Phone Enquiries: Supervising Path. GC, NT  
 Referred by : Dr Jude Watt  
 Addressee : Dr Denis Rebic 063289PK  
 Lab. Reference: 277451524-C-CRP  
 Requested: 07/07/2014 00:00:00  
 Performed: 08/07/2014 00:00:00  
 Test name: CRP  
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

| Date        | 27/01/09 | 27/07/13  | 08/07/14  |       |           |
|-------------|----------|-----------|-----------|-------|-----------|
| Time F-Fast | 1210     | 1302 F    | 0955 F    |       |           |
| Lab ID      | 99986469 | 276989592 | 277451524 | Units | Range     |
| CRP         | <0.4     | <0.4      | <0.4      | mg/L  | (0.0-5.0) |

Comments on Collection 08/07/14 0955 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: DHEAS,LFT,CT,C,UCr,E,PO4,Urate,FE STUDIES,CA,CRP,  
 MAGNESIUM,VIT D,ZN-S,:TFT,TEST,.SHBG/FAI,THYROID ABS,  
 RU-Iod,FBC

Tests Pending : B-Hg,CU-S

Sample Pending :

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 Start Patient : COWIN,CHERIE
 24/25A MARKS ST,NAREMBURN 2065
 Birthdate: 27/10/1969 Age: 44 Y Sex: F
 Telephone: 0403186296
 Your Reference :
 DHP Reference : 277451524
 Medicare Number: 2348489481
 Phone Enquiries: Supervising Path. GC, NT
 Referred by : Dr Jude Watt
 Addressee : Dr Denis Rebic 063289PK
 Lab. Reference: 277451524-C-Biochemistry
 Requested: 07/07/2014 00:00:00
 Performed: 08/07/2014 00:00:00
 Test name: BIOCHEMISTRY
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

BIOCHEMISTRY

Date	27/01/09	27/07/13	08/07/14		
Time F-Fast	1210	1302 F	0955 F		
Lab ID	99986469	276989592	277451524	Units	Range
Magnesium.			0.67	mmol/L	
(0.65-1.00)					

Comments on Collection 08/07/14 0955 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: DHEAS,LFT,CT,C,UCr,E,PO4,Urate,FE STUDIES,CA,CRP,
MAGNESIUM,VIT D,ZN-S,:TFT,TEST,.SHBG/FAI,THYROID ABS,
RU-Iod,FBC

Tests Pending : B-Hg,CU-S

Sample Pending :

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Start Patient : COWIN,CHERIE  
24/25A MARKS ST,NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 44 Y Sex: F  
Telephone: 0403186296  
Your Reference :  
DHP Reference : 277451524  
Medicare Number: 2348489481  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Jude Watt  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 277451524-C-VITD  
Requested: 07/07/2014 00:00:00  
Performed: 08/07/2014 00:00:00  
Test name: VIT D  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

| Date        | 22/02/12  | 27/07/13  | 28/05/14  | 08/07/14  |        |          |
|-------------|-----------|-----------|-----------|-----------|--------|----------|
| Time F-Fast | 1020 F    | 1302 F    | 0815      | 0955 F    |        |          |
| Lab ID      | 232334509 | 276989592 | 293374469 | 277451524 | Units  | Range    |
| Vitamin D   | 67        | 92        | 124       | 110       | nmol/L | (51-140) |

Comments on Collection 08/07/14 0955 F:

Tests Completed: DHEAS,LFT,CT,C,UCr,E,PO4,Urate,FE STUDIES,CA,CRP,  
MAGNESIUM,VIT D,ZN-S,:TFT,TEST,.SHBG/FAI,THYROID ABS,  
RU-Iod,FBC

Tests Pending : B-Hg,CU-S

Sample Pending :

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Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 44 Y Sex: F
Telephone: 0403186296
Your Reference :
DHP Reference : 277451524
Medicare Number: 2348489481
Phone Enquiries:
Referred by : Dr Jude Watt
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 277451524-E-Thyroid Function
Requested: 07/07/2014 00:00:00
Performed: 08/07/2014 00:00:00
Test name: THYROID FUNCTION
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

TFT

Date	22/08/13	02/05/14	28/05/14	08/07/14		
Time F-Fast	0805	1040	0815	0955 F		
Lab ID	277556270	291868743	293374469	277451524	Units	Range
TSH..	* 0.01	* <0.005	* <0.005	* <0.005	mIU/L	
(0.40-3.50)						
Free T4..	* <5.1	* <5.1	* <5.1	* <5.1	pmol/L	
(9.0-19.0)						
Free T3	5.4	3.6	* 14.1	* 8.8	pmol/L	(2.6-6.0)

NATA Accreditation No 2178

Tests Completed: DHEAS,LFT,CT,C,UCr,E,PO4,Urate,FE STUDIES,CA,CRP,
MAGNESIUM,VIT D,ZN-S,:TFT,TEST,.SHBG/FAI,THYROID ABS,
RU-Iod,FBC

Tests Pending : B-Hg,CU-S

Sample Pending :

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Start Patient : COWIN,CHERIE  
24/25A MARKS ST,NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 44 Y Sex: F  
Telephone: 0403186296  
Your Reference :  
DHP Reference : 277451524  
Medicare Number: 2348489481  
Phone Enquiries:  
Referred by : Dr Jude Watt  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 277451524-E-Testo,SHBG,FAI  
Requested: 07/07/2014 00:00:00  
Performed: 08/07/2014 00:00:00  
Test name: TESTO,SHBG,FAI  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

#### ANDROGENS

| Date         | 21/02/13  | 27/07/13  | 28/05/14  | 08/07/14  |        |           |
|--------------|-----------|-----------|-----------|-----------|--------|-----------|
| Time F-Fast  | 0843      | 1302 F    | 0815 F    | 0955 F    |        |           |
| Lab ID       | 238996315 | 276989592 | 293374468 | 277451524 | Units  | Range     |
| Testosterone | 0.9       | 0.8       | * 2.1     | * 2.1     | nmol/L | (0.2-1.8) |
| SHBG         | 100       | 83        | * 284     | * 244     | nmol/L | (30-110)  |
| FAI          | 0.9       | 1.0       | 0.7       | 0.9       | %      | (0.3-4.0) |

Comments on Collection 08/07/14 0955 F:

NATA Accreditation No 2178

Tests Completed: DHEAS,LFT,CT,C,UCr,E,PO4,Urate,FE STUDIES,CA,CRP,  
MAGNESIUM,VIT D,ZN-S,:TFT,TEST,.SHBG/FAI,THYROID ABS,  
RU-Iod,FBC

Tests Pending : B-Hg,CU-S

Sample Pending :

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Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 44 Y Sex: F

Telephone: 0403186296
 Your Reference :
 DHP Reference : 277451524
 Medicare Number: 2348489481
 Phone Enquiries: Supervising Path. GC, NT
 Referred by : Dr Jude Watt
 Addressee : Dr Denis Rebic 063289PK
 Lab. Reference: 277451524-C-THYAB
 Requested: 07/07/2014 00:00:00
 Performed: 08/07/2014 00:00:00
 Test name: THYROID ABS
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

Date	27/09/12	21/02/13	28/05/14	08/07/14		
Time F-Fast	0820	0843	0815	0955 F		
Lab ID	238995175	238996316	293374469	277451524	Units	Range
Thyroglobulin Ab	<20	<20	<20	<20	IU/mL	(0-40)
Peroxidase Ab	<10	<10	<10	<10	IU/mL	(0-35)

Comments on Collection 08/07/14 0955 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: DHEAS, LFT, CT, C, UCr, E, PO4, Urate, FE STUDIES, CA, CRP,
 MAGNESIUM, VIT D, ZN-S, :TFT, TEST, .SHBG/FAI, THYROID ABS,
 RU-Iod, FBC

Tests Pending : B-Hg, CU-S

Sample Pending :

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 Start Patient : COWIN, CHERIE  
 24/25A MARKS ST, NAREMBURN 2065  
 Birthdate: 27/10/1969 Age: 44 Y Sex: F  
 Telephone: 0403186296  
 Your Reference :  
 DHP Reference : 277451524  
 Medicare Number: 2348489481  
 Phone Enquiries: Supervising Path. GC, NT  
 Referred by : Dr Jude Watt  
 Addressee : Dr Denis Rebic 063289PK  
 Lab. Reference: 277451524-C-C731  
 Requested: 07/07/2014 00:00:00  
 Performed: 08/07/2014 00:00:00  
 Test name: METALS, BLOOD  
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : THYROID DISEASE VARIOUS

#### Heavy Metals

|              |    |        |             |
|--------------|----|--------|-------------|
| Serum Copper | 20 | umol/L | ( 12 - 22 ) |
| Serum Zinc   | 14 | umol/L | ( 10 - 18 ) |

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: DHEAS, LFT, CT, C, UCr, E, PO4, Urate, FE STUDIES, CA, CRP,  
 MAGNESIUM, VIT D, B-Hg, ZN-S, CU-S, :TFT, TEST, .SHBG/FAI,

THYROID ABS, RU-Iod, FBC

Tests Pending :  
Sample Pending :

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Name: COWIN, CHERIE
Address: 24/25A MARKS STR
NAREMBURN. 2065
D.O.B.: 27/10/1969 Sex: F
Medicare No:
IHI No:
Lab. Reference: 3366024
Date Requested: 26/08/2014
Addressee: DR D REBIC
Referred by: DR D REBIC
Collected: 26/08/2014 12:20
Specimen: BLOOD - CITRATE
Test Name: ALCPLAT
Clinical information:
Copies to: . PATIENT COPY Dr D REBIC
Requested: 26/08/2014 00:00:00
Performed: 26/08/2014 00:00:00
Test name: ALCPLAT
Provider name: nutrpath

ALCAT Foods Report, Rotation Diet and Foods to Avoid list attached.

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Start Patient : COWIN, CHERIE  
24/25A MARKS ST, NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 44 Y Sex: F  
Telephone: 0403186296  
Your Reference :  
DHP Reference : 265525718  
Medicare Number: 2348489481  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Michelle Moses  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 265525718-C-Biochemistry  
Requested: 04/09/2014 00:00:00  
Performed: 06/09/2014 00:00:00  
Test name: BIOCHEMISTRY  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

**BIOCHEMISTRY**

| Date         | 27/07/13  | 28/05/14  | 08/07/14  | 06/09/14  |        |           |
|--------------|-----------|-----------|-----------|-----------|--------|-----------|
| Time F-Fast  | 1302 F    | 0815 F    | 0955 F    | 0805 F    |        |           |
| Lab ID       | 276989592 | 293374468 | 277451524 | 265525718 | Units  | Reference |
| Status       | Fasting   | Fasting   | Fasting   | Fasting   |        |           |
| Calcium      | 2.37      |           | 2.48      | 2.25      | mmol/L |           |
| (2.15-2.55)  |           |           |           |           |        |           |
| Corr Calcium | 2.33      |           | 2.50      | 2.27      | mmol/L |           |
| (2.15-2.55)  |           |           |           |           |        |           |
| Phosphate.   |           |           | 1.33      | 1.29      | mmol/L | (0.8-1.5) |
| Bili.Total   | 13        | 6         | 9         | 4         | umol/L | (3-15)    |
| ALP          | 42        | 77        | 73        | 91        | U/L    | (20-105)  |
| GGT          | 12        | 10        | 15        | 14        | U/L    | (5-35)    |
| LD           | 175       | 145       | 136       | 157       | U/L    | (120-250) |

|               |    |    |    |           |     |         |
|---------------|----|----|----|-----------|-----|---------|
| AST           | 26 | 21 | 24 | <b>33</b> | U/L | (10-35) |
| ALT           | 12 | 16 | 22 | <b>22</b> | U/L | (5-30)  |
| Total Protein | 74 | 73 | 73 | <b>69</b> | g/L | (68-85) |
| Albumin       | 45 | 44 | 42 | <b>42</b> | g/L | (37-48) |
| Globulin      | 29 | 29 | 31 | <b>27</b> | g/L | (23-39) |

Comments on Collection 06/09/14 0805 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE

Tests Pending :

Sample Pending :

~~~~~

Start Patient : COWIN,CHERIE
 24/25A MARKS ST,NAREMBURN 2065
 Birthdate: 27/10/1969 Age: 44 Y Sex: F
 Telephone: 0403186296
 Your Reference :
 DHP Reference : 265525718
 Medicare Number: 2348489481
 Phone Enquiries: Supervising Path. GC, NT
 Referred by : Dr Michelle Moses
 Addressee : Dr Denis Rebic 063289PK
 Lab. Reference: 265525718-C- Glucose
 Requested: 04/09/2014 00:00:00
 Performed: 06/09/2014 00:00:00
 Test name: _GLUCOSE
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

GLUCOSES

Date	16/08/11	22/02/12	21/02/13	06/09/14		
Time F-Fast	0840 F	1020 F	0843 F	0805 F		
Lab ID	209925894	232334509	237657721	265525718	Units	Reference
F Gluc Plasma	4.5	4.9	4.0	4.6	mmol/L	(3.6-6.0)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE

Tests Pending :

Sample Pending :

~~~~~

Start Patient : COWIN,CHERIE  
 24/25A MARKS ST,NAREMBURN 2065  
 Birthdate: 27/10/1969 Age: 44 Y Sex: F  
 Telephone: 0403186296  
 Your Reference :  
 DHP Reference : 265525718  
 Medicare Number: 2348489481  
 Phone Enquiries: Supervising Path. GC, NT  
 Referred by : Dr Michelle Moses  
 Addressee : Dr Denis Rebic 063289PK  
 Lab. Reference: 265525718-C-Biochemistry  
 Requested: 04/09/2014 00:00:00

Performed: 06/09/2014 00:00:00  
Test name: BIOCHEMISTRY  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

**BIOCHEMISTRY**

|                           |           |                  |        |           |
|---------------------------|-----------|------------------|--------|-----------|
| <b>Date</b>               | 08/07/14  | <b>06/09/14</b>  |        |           |
| <b>Time F-Fast</b>        | 0955 F    | <b>0805 F</b>    |        |           |
| <b>Lab ID</b>             | 277451524 | <b>265525718</b> | Units  | Reference |
| Magnesium.<br>(0.65-1.00) | 0.67      | <b>0.87</b>      | mmol/L |           |

Comments on Collection 06/09/14 0805 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE  
Tests Pending :  
Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 44 Y Sex: F
Telephone: 0403186296
Your Reference :
DHP Reference : 265525718
Medicare Number: 2348489481
Phone Enquiries:
Referred by : Dr Michelle Moses
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 265525718-E-Thyroid Function
Requested: 04/09/2014 00:00:00
Performed: 06/09/2014 00:00:00
Test name: THYROID FUNCTION
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

TFT

Date	02/05/14	28/05/14	08/07/14	06/09/14		
Time F-Fast	1040	0815	0955 F	0805 F		
Lab ID	291868743	293374469	277451524	265525718	Units	Reference
TSH.. (0.40-3.50)	* <0.005	* <0.005	* <0.005	* <0.005	mIU/L	
Free T4.. (9.0-19.0)	* <5.1	* <5.1	* <5.1	* <5.1	pmol/L	
Free T3	3.6	* 14.1	* 8.8	3.0	pmol/L	(2.6-6.0)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE
Tests Pending :
Sample Pending :

~~~~~  
 Start Patient : COWIN,CHERIE  
 24/25A MARKS ST,NAREMBURN 2065  
 Birthdate: 27/10/1969 Age: 44 Y Sex: F  
 Telephone: 0403186296  
 Your Reference :  
 DHP Reference : 265525718  
 Medicare Number: 2348489481  
 Phone Enquiries: Supervising Path. GC, NT  
 Referred by : Dr Michelle Moses  
 Addressee : Dr Denis Rebic 063289PK  
 Lab. Reference: 265525718-C-INS  
 Requested: 04/09/2014 00:00:00  
 Performed: 06/09/2014 00:00:00  
 Test name: INS  
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

**Insulin**

Insulin, Fasting 4 mU/L ( 0 - 20 )

Comment on Lab ID 265525718

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE

Tests Pending :

Sample Pending :

~~~~~  
 Start Patient : COWIN,CHERIE
 24/25A MARKS ST,NAREMBURN 2065
 Birthdate: 27/10/1969 Age: 44 Y Sex: F
 Telephone: 0403186296
 Your Reference :
 DHP Reference : 265525718
 Medicare Number: 2348489481
 Phone Enquiries:
 Referred by : Dr Michelle Moses
 Addressee : Dr Denis Rebic 063289PK
 Lab. Reference: 265525718-E-CFTE
 Requested: 04/09/2014 00:00:00
 Performed: 06/09/2014 00:00:00
 Test name: FREE TESTOSTERONE
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

Date	29/06/12	21/02/13	06/09/14		
Time F-Fast	0825	0843	0805 F		
Lab ID	232375734	238996315	265525718	Units	Reference
Testosterone	1.3	0.9	0.7	nmol/L	(0.2-1.8)
SHBG	102	100	63	nmol/L	(30-110)
Albumin	43	44	42	g/L	(37-48)
Calc Free Testo	10	7	8	pmol/L	(1-34)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE
Tests Pending :
Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE  
24/25A MARKS ST,NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 44 Y Sex: F  
Telephone: 0403186296  
Your Reference :  
DHP Reference : 265525718  
Medicare Number: 2348489481  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Michelle Moses  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 265525718-C-Biochemistry  
Requested: 04/09/2014 00:00:00  
Performed: 06/09/2014 00:00:00  
Test name: BIOCHEMISTRY  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

**BIOCHEMISTRY**

| Date          | 27/07/13  | 28/05/14  | 08/07/14  | 06/09/14  |        |           |
|---------------|-----------|-----------|-----------|-----------|--------|-----------|
| Time F-Fast   | 1302 F    | 0815 F    | 0955 F    | 0805 F    |        |           |
| Lab ID        | 276989592 | 293374468 | 277451524 | 265525718 | Units  | Reference |
| Status        | Fasting   | Fasting   | Fasting   | Fasting   |        |           |
| Calcium       | 2.37      |           | 2.48      | 2.25      | mmol/L |           |
| (2.15-2.55)   |           |           |           |           |        |           |
| Corr Calcium  | 2.33      |           | 2.50      | 2.27      | mmol/L |           |
| (2.15-2.55)   |           |           |           |           |        |           |
| Phosphate.    |           |           | 1.33      | 1.29      | mmol/L | (0.8-1.5) |
| Bili.Total    | 13        | 6         | 9         | 4         | umol/L | (3-15)    |
| ALP           | 42        | 77        | 73        | 91        | U/L    | (20-105)  |
| GGT           | 12        | 10        | 15        | 14        | U/L    | (5-35)    |
| LD            | 175       | 145       | 136       | 157       | U/L    | (120-250) |
| AST           | 26        | 21        | 24        | 33        | U/L    | (10-35)   |
| ALT           | 12        | 16        | 22        | 22        | U/L    | (5-30)    |
| Total Protein | 74        | 73        | 73        | 69        | g/L    | (68-85)   |
| Albumin       | 45        | 44        | 42        | 42        | g/L    | (37-48)   |
| Globulin      | 29        | 29        | 31        | 27        | g/L    | (23-39)   |

Comments on Collection 06/09/14 0805 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE  
Tests Pending :  
Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 44 Y Sex: F
Telephone: 0403186296
Your Reference :
DHP Reference : 265525718
Medicare Number: 2348489481

Phone Enquiries: Supervising Path. GC, NT
 Referred by : Dr Michelle Moses
 Addressee : Dr Denis Rebic 063289PK
 Lab. Reference: 265525718-C- Glucose
 Requested: 04/09/2014 00:00:00
 Performed: 06/09/2014 00:00:00
 Test name: _GLUCOSE
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

GLUCOSES

Date	16/08/11	22/02/12	21/02/13	06/09/14		
Time F-Fast	0840 F	1020 F	0843 F	0805 F		
Lab ID	209925894	232334509	237657721	265525718	Units	Reference
F Gluc Plasma	4.5	4.9	4.0	4.6	mmol/L	(3.6-6.0)

Comments on Collection 06/09/14 0805 F:
 Diabetes is unlikely if fasting glucose levels are less than 5.5 mmol/L but

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE

Tests Pending :

Sample Pending :

~~~~~

Start Patient : COWIN,CHERIE  
 24/25A MARKS ST,NAREMBURN 2065  
 Birthdate: 27/10/1969 Age: 44 Y Sex: F  
 Telephone: 0403186296  
 Your Reference :  
 DHP Reference : 265525718  
 Medicare Number: 2348489481  
 Phone Enquiries: Supervising Path. GC, NT  
 Referred by : Dr Michelle Moses  
 Addressee : Dr Denis Rebic 063289PK  
 Lab. Reference: 265525718-C-Biochemistry  
 Requested: 04/09/2014 00:00:00  
 Performed: 06/09/2014 00:00:00  
 Test name: BIOCHEMISTRY  
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

#### BIOCHEMISTRY

| Date        | 08/07/14  | 06/09/14  |        |           |
|-------------|-----------|-----------|--------|-----------|
| Time F-Fast | 0955 F    | 0805 F    |        |           |
| Lab ID      | 277451524 | 265525718 | Units  | Reference |
| Magnesium.  | 0.67      | 0.87      | mmol/L |           |
| (0.65-1.00) |           |           |        |           |

Comments on Collection 06/09/14 0805 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE  
Tests Pending :  
Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 44 Y Sex: F
Telephone: 0403186296
Your Reference :
DHP Reference : 265525718
Medicare Number: 2348489481
Phone Enquiries:
Referred by : Dr Michelle Moses
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 265525718-E-Thyroid Function
Requested: 04/09/2014 00:00:00
Performed: 06/09/2014 00:00:00
Test name: THYROID FUNCTION
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

TFT

Date	02/05/14	28/05/14	08/07/14	06/09/14		
Time F-Fast	1040	0815	0955 F	0805 F		
Lab ID	291868743	293374469	277451524	265525718	Units	Reference
TSH..	* <0.005	* <0.005	* <0.005	* <0.005	mIU/L	
(0.40-3.50)						
Free T4..	* <5.1	* <5.1	* <5.1	* <5.1	pmol/L	
(9.0-19.0)						
Free T3	3.6	* 14.1	* 8.8	3.0	pmol/L	(2.6-6.0)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE
Tests Pending :
Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE  
24/25A MARKS ST,NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 44 Y Sex: F  
Telephone: 0403186296  
Your Reference :  
DHP Reference : 265525718  
Medicare Number: 2348489481  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Michelle Moses  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 265525718-C-INS  
Requested: 04/09/2014 00:00:00  
Performed: 06/09/2014 00:00:00  
Test name: INS  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

**Insulin**

Insulin, Fasting 4 mU/L ( 0 - 20 )

Comment on Lab ID 265525718

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE

Tests Pending :

Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 44 Y Sex: F
Telephone: 0403186296
Your Reference :
DHP Reference : 265525718
Medicare Number: 2348489481
Phone Enquiries:
Referred by : Dr Michelle Moses
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 265525718-E-CFTE
Requested: 04/09/2014 00:00:00
Performed: 06/09/2014 00:00:00
Test name: FREE TESTOSTERONE
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : T3

Date	29/06/12	21/02/13	06/09/14		
Time F-Fast	0825	0843	0805 F		
Lab ID	232375734	238996315	265525718	Units	Reference
Testosterone	1.3	0.9	0.7	nmol/L	(0.2-1.8)
SHBG	102	100	63	nmol/L	(30-110)
Albumin	43	44	42	g/L	(37-48)
Calc Free Testo	10	7	8	pmol/L	(1-34)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT,ALB,pGlu,PO4,CA,MG,:TFT,INS, FREE TESTOSTERONE

Tests Pending :

Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE  
24/25A MARKS ST,NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 46 Y Sex: F  
Telephone: 0403186296  
Your Reference : 586242847  
DHP Reference : 248048434  
Medicare Number: 2348489489  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Denis Rebic  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 248048434-C-HOMO  
Requested: 10/02/2016 00:00:00  
Performed: 10/02/2016 00:00:00  
Test name: HOMO  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

**Homocysteine**

Homocysteine L 4.4 umol/L ( 5.0 - 12.0 )

Comment on Lab ID 248048434

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: HOMO, FBC, ESR

Tests Pending : CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB,  
C, UCR, E, pGlu, FE STUDIES, HDL, CU-S, GH, PROL, TEST, INS,  
.SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE,  
IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, CortAM, ZINC-P

Sample Pending :

~~~~~  
Start Patient : COWIN, CHERIE
24/25A MARKS ST, NAREMBURN 2065
Birthdate: 27/10/1969 Age: 46 Y Sex: F
Telephone: 0403186296
Your Reference : 586242847
DHP Reference : 248048434
Medicare Number: 2348489489
Phone Enquiries: Supervising Path. FH
Referred by : Dr Denis Rebic
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 248048434-H- HAEM VIRTUAL
Requested: 10/02/2016 00:00:00
Performed: 10/02/2016 00:00:00
Test name: HAEMATOLOGY
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

HAEMATOLOGY

Date	27/07/13	28/05/14	08/07/14	10/02/16		
Time F-Fast	1302 F	0815 F	0955 F	0830 F		
Lab ID	276989592	293374468	277451524	248048434	Units	Reference
Haemoglobin	157	144	150	142	g/L	(119-160)
RCC	4.9	5.0	5.2	4.4	x10 ¹² /L	(3.8-5.8)
Haematocrit	0.47	0.44	0.46	0.42		
(0.35-0.48)						
MCV	97	87	88	95	fL	(80-100)
MCH	H 32.2	28.6	29.0	32.0	pg	
(27.0-32.0)						
MCHC	331	328	328	338	g/L	(310-360)
RDW	12.2	13.2	12.9	11.9		
(10.0-15.0)						
WCC	6.6	5.2	10.8	7.4	x10 ⁹ /L	
(4.0-11.0)						
Neutrophils	3.90	2.02	6.31	3.90	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	2.08	2.58	3.60	2.81	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.51	0.52	0.76	0.56	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.06	0.07	0.08	0.12	x10 ⁹ /L	(0.0-0.5)
Basophils	0.03	0.01	0.02	0.05	x10 ⁹ /L	(0.0-0.3)
NRBC				<1.0	/100 WBC	(<1)
Platelets	258	230	268	258	x10 ⁹ /L	(150-450)
ESR	3	5		6	mm/h	(1-28)

Comments on Collection 10/02/16 0830 F:
Full blood count is within reference limits

Supervising Pathologist: FH

NATA Accreditation No 2178

Tests Completed: HOMO, FBC, ESR

Tests Pending : CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB,
C, UCR, E, pGlu, FE STUDIES, HDL, CU-S, GH, PROL, TEST, INS,
.SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE,
IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, CortAM, ZINC-P

Sample Pending :

~~~~~  
Start Patient : COWIN, CHERIE  
24/25A MARKS ST, NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 46 Y Sex: F  
Telephone: 0403186296  
Your Reference : 586242847  
DHP Reference : 248048434  
Medicare Number: 2348489489  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Denis Rebic  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 248048434-C- Glucose  
Requested: 10/02/2016 00:00:00  
Performed: 10/02/2016 00:00:00  
Test name: \_GLUCOSE  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

**GLUCOSES**

| Date          | 22/02/12  | 21/02/13  | 06/09/14  | 10/02/16  |        |           |
|---------------|-----------|-----------|-----------|-----------|--------|-----------|
| Time F-Fast   | 1020 F    | 0843 F    | 0805 F    | 0830 F    |        |           |
| Lab ID        | 232334509 | 237657721 | 265525718 | 248048434 | Units  | Reference |
| F Gluc Plasma | 4.9       | 4.0       | 4.6       | H 6.4     | mmol/L | (3.6-6.0) |

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: pGlu, HOMO, FBC, ESR

Tests Pending : CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB,  
C, UCR, E, FE STUDIES, HDL, CU-S, GH, PROL, TEST, INS,  
.SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE,  
IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, CortAM, ZINC-P

Sample Pending :

~~~~~  
Start Patient : COWIN, CHERIE
24/25A MARKS ST, NAREMBURN 2065
Birthdate: 27/10/1969 Age: 46 Y Sex: F
Telephone: 0403186296
Your Reference : 586242847
DHP Reference : 248048434
Medicare Number: 2348489489
Phone Enquiries: Supervising Path. GC, NT
Referred by : Dr Denis Rebic
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 248048434-C-Biochemistry
Requested: 10/02/2016 00:00:00
Performed: 10/02/2016 00:00:00

Test name: BIOCHEMISTRY
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

BIOCHEMISTRY

Date	28/05/14	08/07/14	06/09/14	10/02/16		
Time F-Fast	0815 F	0955 F	0805 F	0830 F		
Lab ID	293374468	277451524	265525718	248048434	Units	Reference
Status	Fasting	Fasting	Fasting	Fasting		
Sodium	140	136		136	mmol/L	(135-145)
Potassium	4.5	4.4		4.2	mmol/L	(3.5-5.5)
Chloride	106	103		106	mmol/L	(95-110)
Bicarbonate	23	26		22	mmol/L	(20-32)
Urea	H 7.8	6.4		6.0	mmol/L	(2.5-7.0)
Creatinine	60	55		75	umol/L	(45-85)
eGFR	>90	>90		80	mL/min/1.73m2	(>59)
Bili.Total	6	9	4	8	umol/L	(3-15)
ALP	77	73	91	29	U/L	(20-105)
GGT	10	15	14	9	U/L	(5-35)
LD	145	136	157	146	U/L	(120-250)
AST	21	24	33	18	U/L	(10-35)
ALT	16	22	22	11	U/L	(5-30)
Total Protein	73	73	69	70	g/L	(68-85)
Albumin	44	42	42	43	g/L	(37-48)
Globulin	29	31	27	27	g/L	(23-39)
Cholesterol	L 3.7	4.2		4.1	mmol/L	(3.9-5.5)
Triglycerides	0.6	0.7		0.6	mmol/L	(0.5-1.7)

Comments on Collection 10/02/16 0830 F:

eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, DHEAS, LFT, ALB, C, UCR, E, pGlu, HDL, HOMO, FBC, ESR

Tests Pending : OEST, PROG, Commenting, FE STUDIES, CU-S, GH, PROL, TEST, INS, .SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE, IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, CortAM, ZINC-P

Sample Pending :

~~~~~  
Start Patient : COWIN, CHERIE  
24/25A MARKS ST, NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 46 Y Sex: F  
Telephone: 0403186296  
Your Reference : 586242847  
DHP Reference : 248048434  
Medicare Number: 2348489489  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Denis Rebic  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 248048434-C-Lipids and HDL  
Requested: 10/02/2016 00:00:00  
Performed: 10/02/2016 00:00:00  
Test name: LIPIDS AND HDL  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

**LIPIDS AND HDL**

|                    |                |                |                |                  |        |           |
|--------------------|----------------|----------------|----------------|------------------|--------|-----------|
| <b>Date</b>        | 28/05/14       | 08/07/14       | 06/09/14       | <b>10/02/16</b>  |        |           |
| <b>Time F-Fast</b> | 0815 F         | 0955 F         | 0805 F         | <b>0830 F</b>    |        |           |
| <b>Lab ID</b>      | 293374468      | 277451524      | 265525718      | <b>248048434</b> | Units  | Reference |
| <b>Status</b>      | <b>Fasting</b> | <b>Fasting</b> | <b>Fasting</b> | <b>Fasting</b>   |        |           |
| Cholesterol        | L 3.7          | 4.2            |                | <b>4.1</b>       | mmol/L | (3.9-5.5) |
| Triglycerides      | 0.6            | 0.7            |                | <b>0.6</b>       | mmol/L | (0.5-1.7) |
| HDL Chol.          | 1.3            |                |                | <b>1.2</b>       | mmol/L | (0.9-2.1) |
| LDL Chol.          | 2.1            |                |                | <b>2.6</b>       | mmol/L | (1.7-3.5) |

Comments on Collection 10/02/16 0830 F:  
According to current guidelines (Position Statement 2005),  
suggested targets are:  
HDL Cholesterol >1.0 mmol/L  
LDL Cholesterol <2.0 mmol/L (for patients at high risk)  
<2.5 mmol/L (for patients at lower risk)  
Triglycerides <1.5 mmol/L

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, DHEAS, LFT, ALB, C, UCR, E, pGlu, HDL, HOMO,  
FBC, ESR

Tests Pending : OEST, PROG, Commenting, FE STUDIES, CU-S, GH, PROL, TEST,  
INS, .SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE,  
IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, CortAM, ZINC-P

Sample Pending :

~~~~~  
Start Patient : COWIN, CHERIE
24/25A MARKS ST, NAREMBURN 2065
Birthdate: 27/10/1969 Age: 46 Y Sex: F
Telephone: 0403186296
Your Reference : 586242847
DHP Reference : 248048434
Medicare Number: 2348489489
Phone Enquiries:
Referred by : Dr Denis Rebic
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 248048434-E-ZHormones
Requested: 10/02/2016 00:00:00
Performed: 10/02/2016 00:00:00
Test name: ZHORMONES
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

Reproductive Hormones
(Abbott Architect Method)

FSH	3.1	IU/L	
LH	2.1	IU/L	
Oestradiol	318	pmol/L	
Progesterone	45.8	nmol/L	
DHEAS	4.3	umol/L	(2.4 - 13)

Comment on Lab ID 248048434

FSH	Basal	1.5 - 10
	Mid cycle peak	7.0 - 22
	Post-menopausal	25 - 130
LH	Basal	2.0 - 12
	Mid cycle peak	8.0 - 90
	Post-menopausal	5.0 - 62
Oestradiol	Follicular phase	<320
	Preovulatory phase	450 - 2000
	Luteal phase	125 - 1300
	Post-menopausal	<170
Progesterone	Follicular phase	0.3 - 4.0
	Luteal phase	5.5 - 90.0
	Midluteal	8.5 - 110.0
	Post-menopausal	<2.6

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB, C, UCR, E, pGlu, FE STUDIES, HDL, HOMO, FBC, ESR

Tests Pending : CU-S, GH, PROL, TEST, INS, .SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE, IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, CortAM, ZINC-P

Sample Pending :

~~~~~

Start Patient : COWIN, CHERIE  
 24/25A MARKS ST, NAREMBURN 2065  
 Birthdate: 27/10/1969 Age: 46 Y Sex: F  
 Telephone: 0403186296  
 Your Reference : 586242847  
 DHP Reference : 248048434  
 Medicare Number: 2348489489  
 Phone Enquiries: Supervising Path. GC, NT  
 Referred by : Dr Denis Rebic  
 Addressee : Dr Denis Rebic 063289PK  
 Lab. Reference: 248048434-C-Iron Studies  
 Requested: 10/02/2016 00:00:00  
 Performed: 10/02/2016 00:00:00  
 Test name: IRON STUDIES  
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

# **IRON**

| Date        | 21/02/13  | 28/05/14  | 08/07/14  | 10/02/16  |        |           |
|-------------|-----------|-----------|-----------|-----------|--------|-----------|
| Time F-Fast | 0843 F    | 0815 F    | 0955 F    | 0830 F    |        |           |
| Lab ID      | 237657721 | 293374468 | 277451524 | 248048434 | Units  | Reference |
| Iron        |           | 12.4      | 20.9      | 16.4      | umol/L |           |
| (5.0-30.0)  |           |           |           |           |        |           |
| Transferrin |           | 2.3       | 2.6       | 2.1       | g/L    | (2.0-3.6) |
| TIBC (Calc) |           | 52        | 58        | 48        | umol/L | (46-77)   |

|            |     |     |    |            |      |          |
|------------|-----|-----|----|------------|------|----------|
| Saturation |     | 24  | 36 | <b>34</b>  | %    | (10-45)  |
| Ferritin   | 102 | 119 | 74 | <b>129</b> | ug/L | (15-200) |

Comments on Collection 10/02/16 0830 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB,  
C, UCR, E, pGlu, FE STUDIES, HDL, HOMO, FBC, ESR

Tests Pending : CU-S, GH, PROL, TEST, INS, .SHBG/FAI, CA153, CA19.9,  
FREE TESTOSTERONE, IGF-1/SOMATOMEDIN C, IGFBP3, ACTH,  
CortAM, ZINC-P

Sample Pending :

~~~~~  
Start Patient : COWIN, CHERIE
24/25A MARKS ST, NAREMBURN 2065
Birthdate: 27/10/1969 Age: 46 Y Sex: F
Telephone: 0403186296
Your Reference : 586242847
DHP Reference : 248048434
Medicare Number: 2348489489
Phone Enquiries:
Referred by : Dr Denis Rebic
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 248048434-E-E498
Requested: 10/02/2016 00:00:00
Performed: 10/02/2016 00:00:00
Test name: TUMOUR MARKERS
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

BIOMARKERS

Date	28/05/14	10/02/16		
Time F-Fast	0815 F	0830 F		
Lab ID	293374468	248048434	Units	Reference
CEA (Abbott)	0.9	1.7	ug/L	(<5.1)
CA 15.3 (Roche)	7	5	U/mL	(0-50)
CA 19.9 (Roche)	9	7	U/mL	(0-39)
CA125 (Abbott)	20	11	U/mL	(<36)

Comments on Collection 10/02/16 0830 F:

CEA is within reference limits. A normal result does not exclude neoplasia.

CA 125 is within reference limits. A normal result does not exclude neoplasia.

CA 15-3 is within reference limits. A normal result does not exclude neoplasia.

CA19.9 is within reference limits. A normal result does not exclude neoplasia.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB,
C, UCR, E, pGlu, FE STUDIES, HDL, PROL, TEST, HOMO, INS,
.SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE, FBC, ESR

Tests Pending : CU-S,GH,IGF-1/SOMATOMEDIN C,IGFBP3,ACTH,CortAM,ZINC-P
Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE  
24/25A MARKS ST,NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 46 Y Sex: F  
Telephone: 0403186296  
Your Reference : 586242847  
DHP Reference : 248048434  
Medicare Number: 2348489489  
Phone Enquiries:  
Referred by : Dr Denis Rebic  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 248048434-E-PROL  
Requested: 10/02/2016 00:00:00  
Performed: 10/02/2016 00:00:00  
Test name: PROL  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

| Date        | 29/06/12  | 27/07/13  | 28/05/14  | 10/02/16  |       |           |
|-------------|-----------|-----------|-----------|-----------|-------|-----------|
| Time F-Fast | 0825      | 1302 F    | 0815 F    | 0830 F    |       |           |
| Lab ID      | 232375734 | 276989592 | 293374468 | 248048434 | Units | Reference |
| Prolactin   | 414       | 290       | 394       | 473       | mIU/L | (85-500)  |

Comments on Collection 10/02/16 0830 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA,CA125,LH,FSH,OEST,PROG,DHEAS,Commenting,LFT,ALB,  
C,UCR,E,pGlu,FE STUDIES,HDL,PROL,TEST,HOMO,INS,  
.SHBG/FAI,CA153,CA19.9, FREE TESTOSTERONE,FBC,ESR

Tests Pending : CU-S,GH,IGF-1/SOMATOMEDIN C,IGFBP3,ACTH,CortAM,ZINC-P  
Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 46 Y Sex: F
Telephone: 0403186296
Your Reference : 586242847
DHP Reference : 248048434
Medicare Number: 2348489489
Phone Enquiries:
Referred by : Dr Denis Rebic
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 248048434-E-Testo,SHBG,FAI
Requested: 10/02/2016 00:00:00
Performed: 10/02/2016 00:00:00
Test name: TESTO,SHBG,FAI
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

ANDROGENS

Date	28/05/14	08/07/14	06/09/14	10/02/16		
Time F-Fast	0815 F	0955 F	0805 F	0830 F		
Lab ID	293374468	277451524	265525718	248048434	Units	Reference

Testosterone	H 2.1	H 2.1	0.7	1.2	nmol/L	(0.2-1.8)
SHBG	H 284	H 244	63	68	nmol/L	(30-110)
FAI	0.7	0.9		1.8	%	(0.3-4.0)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB,
C, UCR, E, pGlu, FE STUDIES, HDL, PROL, TEST, HOMO, INS,
.SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE, FBC, ESR

Tests Pending : CU-S, GH, IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, CortAM, ZINC-P

Sample Pending :

~~~~~

Start Patient : COWIN, CHERIE  
24/25A MARKS ST, NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 46 Y Sex: F  
Telephone: 0403186296  
Your Reference : 586242847  
DHP Reference : 248048434  
Medicare Number: 2348489489  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Denis Rebic  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 248048434-C-INS  
Requested: 10/02/2016 00:00:00  
Performed: 10/02/2016 00:00:00  
Test name: INS  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

#### Insulin

Insulin, Fasting 9 mU/L ( 0 - 20 )

Comment on Lab ID 248048434

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB,  
C, UCR, E, pGlu, FE STUDIES, HDL, PROL, TEST, HOMO, INS,  
.SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE, FBC, ESR

Tests Pending : CU-S, GH, IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, CortAM, ZINC-P

Sample Pending :

~~~~~

Start Patient : COWIN, CHERIE
24/25A MARKS ST, NAREMBURN 2065
Birthdate: 27/10/1969 Age: 46 Y Sex: F
Telephone: 0403186296
Your Reference : 586242847
DHP Reference : 248048434
Medicare Number: 2348489489
Phone Enquiries:
Referred by : Dr Denis Rebic
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 248048434-E-CFTE
Requested: 10/02/2016 00:00:00
Performed: 10/02/2016 00:00:00
Test name: FREE TESTOSTERONE
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

Date	29/06/12	21/02/13	06/09/14	10/02/16		
Time F-Fast	0825	0843	0805 F	0830 F		
Lab ID	232375734	238996315	265525718	248048434	Units	Reference
Testosterone	1.3	0.9	0.7	1.2	nmol/L	(0.2-1.8)
SHBG	102	100	63	68	nmol/L	(30-110)
Albumin	43	44	42	43	g/L	(37-48)
Calc Free Testo	10	7	8	13	pmol/L	(1-34)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB,
C, UCR, E, pGlu, FE STUDIES, HDL, PROL, TEST, HOMO, INS,
.SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE, FBC, ESR

Tests Pending : CU-S, GH, IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, CortAM, ZINC-P
Sample Pending :

~~~~~  
Start Patient : COWIN, CHERIE  
24/25A MARKS ST, NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 46 Y Sex: F  
Telephone: 0403186296  
Your Reference : 586242847  
DHP Reference : 248048433  
Medicare Number: 2348489481  
Phone Enquiries:  
Referred by : Dr Sybilla Fievez  
Addressee : Dr Sybilla Fievez 033942GK  
Lab. Reference: 248048433-E-Thyroid Function  
Requested: 19/01/2016 00:00:00  
Performed: 10/02/2016 00:00:00  
Test name: THYROID FUNCTION  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : HYPOTHYROIDISM / THERAPY

**TFT**

| Date                    | 08/07/14  | 06/09/14  | 21/04/15  | 10/02/16  |        |           |
|-------------------------|-----------|-----------|-----------|-----------|--------|-----------|
| Time F-Fast             | 0955 F    | 0805 F    | 1020      | 0830      |        |           |
| Lab ID                  | 277451524 | 265525718 | 243887710 | 248048433 | Units  | Reference |
| TSH..<br>(0.40-3.50)    | L <0.005  | L <0.005  | 2.52      | H 3.57    | mIU/L  |           |
| Free T4..<br>(9.0-19.0) | L <5.1    | L <5.1    | 12.4      | 12.7      | pmol/L |           |
| Free T3                 | H 8.8     | 3.0       |           | 3.4       | pmol/L | (2.6-6.0) |

Comments on Collection 10/02/16 0830:  
TSH is borderline. Suggest review in one month.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: :TFT  
Tests Pending : VIT D, THYROID ABS  
Sample Pending :  
~~~~~

Start Patient : COWIN,CHERIE
 24/25A MARKS ST,NAREMBURN 2065
 Birthdate: 27/10/1969 Age: 46 Y Sex: F
 Telephone: 0403186296
 Your Reference : 586242847
 DHP Reference : 248048434
 Medicare Number: 2348489481
 Phone Enquiries: Supervising Path. GC, NT
 Referred by : Dr Denis Rebic
 Addressee : Dr Denis Rebic 063289PK
 Lab. Reference: 248048434-C-GH
 Requested: 10/02/2016 00:00:00
 Performed: 10/02/2016 00:00:00
 Test name: GH
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

Growth Hormone (Immulate Method)

Growth Hormone 2.6 mIU/L (0 - 15)

Comment on Lab ID 248048434

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA,CA125,LH,FSH,OEST,PROG,DHEAS,Commenting,LFT,ALB,
 C,UCR,E,pGlu,FE STUDIES,HDL,GH,PROL,TEST,HOMO,INS,
 .SHBG/FAI,CA153,CA19.9, FREE TESTOSTERONE,CortAM,FBC,ESR
 Tests Pending : CU-S,IGF-1/SOMATOMEDIN C,IGFBP3,ACTH,ZINC-P
 Sample Pending :

~~~~~  
 Start Patient : COWIN,CHERIE  
 24/25A MARKS ST,NAREMBURN 2065  
 Birthdate: 27/10/1969 Age: 46 Y Sex: F  
 Telephone: 0403186296  
 Your Reference : 586242847  
 DHP Reference : 248048434  
 Medicare Number: 2348489481  
 Phone Enquiries: Supervising Path. G C  
 Referred by : Dr Denis Rebic  
 Addressee : Dr Denis Rebic 063289PK  
 Lab. Reference: 248048434-R-C751  
 Requested: 10/02/2016 00:00:00  
 Performed: 10/02/2016 00:00:00  
 Test name: BLOOD METALS  
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

**BLOOD METALS**

|                      |           |           |                  |        |           |
|----------------------|-----------|-----------|------------------|--------|-----------|
| <b>Date</b>          | 29/06/12  | 28/05/14  | <b>10/02/16</b>  |        |           |
| <b>Time F-Fast</b>   | Unkn      | 0815 F    | <b>0830 F</b>    |        |           |
| <b>Lab ID</b>        | 232375722 | 293374468 | <b>248048434</b> | Units  | Reference |
| P-Zinc<br>(9.0-19.0) | H 21.0    | 12.6      | <b>12.6</b>      | umol/L |           |

Comments on Collection 10/02/16 0830 F:

Reported by Sullivan and Nicolaides Pathology, a member of the  
Sonic Healthcare Group.

NATA Accreditation No 2178

Tests Completed: CEA,CA125,LH,FSH,OEST,PROG,DHEAS,Commenting,LFT,ALB,  
C,UCR,E,pGlu,FE STUDIES,HDL,GH,PROL,TEST,HOMO,INS,  
.SHBG/FAI,CA153,CA19.9, FREE TESTOSTERONE,CortAM,FBC,  
ESR,ZINC-P

Tests Pending : CU-S,IGF-1/SOMATOMEDIN C,IGFBP3,ACTH

Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 46 Y Sex: F
Telephone: 0403186296
Your Reference : 586242847
DHP Reference : 248048433
Medicare Number: 2348489481
Phone Enquiries: Supervising Path. GC, NT
Referred by : Dr Sybilla Fievez
Addressee : Dr Sybilla Fievez 033942GK
Lab. Reference: 248048433-C-VITD
Requested: 19/01/2016 00:00:00
Performed: 10/02/2016 00:00:00
Test name: VIT D
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : HYPOTHYROIDISM / THERAPY

Date	27/07/13	28/05/14	08/07/14	10/02/16		
Time F-Fast	1302 F	0815	0955 F	0830		
Lab ID	276989592	293374469	277451524	248048433	Units	Reference
Vitamin D	92	124	110	103	nmol/L	(50-140)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: VIT D,:TFT,THYROID ABS

Tests Pending :

Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE  
24/25A MARKS ST,NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 46 Y Sex: F  
Telephone: 0403186296  
Your Reference : 586242847  
DHP Reference : 248048434  
Medicare Number: 2348489481  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Denis Rebic  
Addressee : Dr Denis Rebic 063289PK  
Lab. Reference: 248048434-C-ACTH  
Requested: 10/02/2016 00:00:00  
Performed: 10/02/2016 00:00:00  
Test name: ACTH  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

**Adrenocorticotrophic Hormone (Immulite Method)**

ACTH 4.1 pmol/L ( <12.1 )

Comment on Lab ID 248048434

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA,CA125,LH,FSH,OEST,PROG,DHEAS,Commenting,LFT,ALB,  
C,UCR,E,pGlu,FE STUDIES,HDL,GH,PROL,TEST,HOMO,INS,  
.SHBG/FAI,CA153,CA19.9, FREE TESTOSTERONE,ACTH,  
CortAM,FBC,ESR,ZINC-P

Tests Pending : CU-S,IGF-1/SOMATOMEDIN C,IGFBP3

Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 46 Y Sex: F
Telephone: 0403186296
Your Reference : 586242847
DHP Reference : 248048434
Medicare Number: 2348489481
Phone Enquiries: Supervising Path. GC, NT
Referred by : Dr Denis Rebic
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 248048434-C-ACTH
Requested: 10/02/2016 00:00:00
Performed: 10/02/2016 00:00:00
Test name: ACTH
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

Adrenocorticotrophic Hormone (Immulite Method)

ACTH 4.1 pmol/L (<12.1)

Comment on Lab ID 248048434

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA,CA125,LH,FSH,OEST,PROG,DHEAS,Commenting,LFT,ALB,
C,UCR,E,pGlu,FE STUDIES,HDL,GH,PROL,TEST,HOMO,INS,
.SHBG/FAI,CA153,CA19.9, FREE TESTOSTERONE,ACTH,
CortAM,FBC,ESR,ZINC-P

Tests Pending : CU-S,IGF-1/SOMATOMEDIN C,IGFBP3

Sample Pending :

~~~~~  
Start Patient : COWIN,CHERIE  
24/25A MARKS ST,NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 46 Y Sex: F  
Telephone: 0403186296  
Your Reference : 586242847  
DHP Reference : 248048434  
Medicare Number: 2348489481  
Phone Enquiries: Supervising Path. GC, NT

Referred by : Dr Denis Rebic  
 Addressee : Dr Denis Rebic 063289PK  
 Lab. Reference: 248048434-C-C731  
 Requested: 10/02/2016 00:00:00  
 Performed: 10/02/2016 00:00:00  
 Test name: METALS, BLOOD  
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

**BLOOD METALS**

|                    |           |           |           |                  |        |           |
|--------------------|-----------|-----------|-----------|------------------|--------|-----------|
| <b>Date</b>        | 27/07/13  | 28/05/14  | 08/07/14  | <b>10/02/16</b>  |        |           |
| <b>Time F-Fast</b> | 1302 F    | 0815 F    | 0955 F    | <b>0830 F</b>    |        |           |
| <b>Lab ID</b>      | 276989592 | 293374468 | 277451524 | <b>248048434</b> | Units  | Reference |
| Copper             | 14        | 19        | 20        | <b>12</b>        | umol/L | (12-22)   |

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB, C, UCR, E, pGlu, FE STUDIES, HDL, CU-S, GH, PROL, TEST, HOMO, INS, .SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE, ACTH, CortAM, FBC, ESR, ZINC-P

Tests Pending : IGF-1/SOMATOMEDIN C, IGFBP3

Sample Pending :

~~~~~

Start Patient : COWIN, CHERIE
 24/25A MARKS ST, NAREMBURN 2065
 Birthdate: 27/10/1969 Age: 46 Y Sex: F
 Telephone: 0403186296
 Your Reference : 586242847
 DHP Reference : 248048434
 Medicare Number: 2348489481
 Phone Enquiries: Supervising Path. G C
 Referred by : Dr Denis Rebic
 Addressee : Dr Denis Rebic 063289PK
 Lab. Reference: 248048434-R- IGF1
 Requested: 10/02/2016 00:00:00
 Performed: 10/02/2016 00:00:00
 Test name: IGF1
 Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

IGF-1

Date	16/08/11	28/05/14	10/02/16		
Time F-Fast	0840 F	0815 F	0830 F		
Lab ID	209925894	293374468	248048434	Units	Reference
IGF-1 Liaison		30	H 36	nmol/L	(10-32)
IGF-1 Immulite	30			nmol/L	(13-35)
IGFBP3		216	148	nmol/L	(115-240)

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB, C, UCR, E, pGlu, FE STUDIES, HDL, CU-S, GH, PROL, TEST, HOMO,

INS, .SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE,
IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, CortAM, FBC, ESR, ZINC-P

Tests Pending :
Sample Pending :

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Start Patient : COWIN,CHERIE  
24/25A MARKS ST,NAREMBURN 2065  
Birthdate: 27/10/1969 Age: 46 Y Sex: F  
Telephone: 0403186296  
Your Reference : 586242847  
DHP Reference : 248048433  
Medicare Number: 2348489481  
Phone Enquiries: Supervising Path. GC, NT  
Referred by : Dr Sybilla Fievez  
Addressee : Dr Sybilla Fievez 033942GK  
Lab. Reference: 248048433-C-THYAB  
Requested: 19/01/2016 00:00:00  
Performed: 10/02/2016 00:00:00  
Test name: THYROID ABS  
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : HYPOTHYROIDISM / THERAPY

| Date             | 21/02/13  | 28/05/14  | 08/07/14  | 10/02/16  |       |           |
|------------------|-----------|-----------|-----------|-----------|-------|-----------|
| Time F-Fast      | 0843      | 0815      | 0955 F    | 0830      |       |           |
| Lab ID           | 238996316 | 293374469 | 277451524 | 248048433 | Units | Reference |
| Thyroglobulin Ab | <20       | <20       | <20       | <20       | IU/mL | (0-40)    |
| Peroxidase Ab    | <10       | <10       | <10       | <10       | IU/mL | (0-35)    |

Comments on Collection 10/02/16 0830:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: :TFT,THYROID ABS  
Tests Pending : VIT D  
Sample Pending :

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Start Patient : COWIN,CHERIE
24/25A MARKS ST,NAREMBURN 2065
Birthdate: 27/10/1969 Age: 46 Y Sex: F
Telephone: 0403186296
Your Reference : 586242847
DHP Reference : 248048434
Medicare Number: 2348489481
Phone Enquiries: Supervising Path. GC, NT
Referred by : Dr Denis Rebic
Addressee : Dr Denis Rebic 063289PK
Lab. Reference: 248048434-C-Cortisol
Requested: 10/02/2016 00:00:00
Performed: 10/02/2016 00:00:00
Test name: CORTISOL
Provider name: Douglass Hanly Moir Pathology

Clinical Notes : PROGESTERONE DEFICIENCY

CORTISOLS

Date	21/02/13	28/05/14	10/02/16		
Time F-Fast	0843	0815 F	0830 F		
Lab ID	238996315	293374468	248048434	Units	Reference

Cortisol am 298 590 524 nmol/L (138-650)

Comments on Collection 10/02/16 0830 F:

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: CEA, CA125, LH, FSH, OEST, PROG, DHEAS, Commenting, LFT, ALB,
C, UCR, E, pGlu, FE STUDIES, HDL, PROL, TEST, HOMO, INS,
.SHBG/FAI, CA153, CA19.9, FREE TESTOSTERONE, CortAM, FBC, ESR
Tests Pending : CU-S, GH, IGF-1/SOMATOMEDIN C, IGFBP3, ACTH, ZINC-P
Sample Pending :

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Name: COWIN, CHERIE  
Address: 24/25A MARKS STREET  
NAREMBURN. 2065  
D.O.B.: 27/10/1969 Sex: F  
Medicare No:  
IHI No:  
Lab. Reference: 3416204  
Date Requested: 11/02/2016  
Addressee: DR D REBIC  
Referred by: DR D REBIC  
Collected: 11/02/2016 09:40  
Specimen: SALIVA  
Test Name: CORTMORN, 5Horm  
Clinical information: PROG DHEA MEL CREAM TROCHE  
Copies to: Dr D REBIC  
Requested: 11/02/2016 00:00:00  
Performed: 11/02/2016 00:00:00  
Test name: CORTMORN, 5HORM  
Provider name: nutrpath

|                       |              |               |                     |
|-----------------------|--------------|---------------|---------------------|
| Cortisol Morning      | 25.60        | nmol/L        | 6.00 - 42.00        |
| Progesterone (P4)     | 1379.0       | pmol/L        | 318.0 -             |
| 1590.0                |              |               |                     |
| <b>Testosterone.</b>  | <b>341.0</b> | <b>pmol/L</b> | <b>25.0 - 190.0</b> |
| <b>Estradiol (E2)</b> | <b>60.0</b>  | <b>pmol/L</b> | <b>2.0 - 18.0</b>   |
| <b>Estrone (E1)</b>   | <b>32.0</b>  | <b>pg/mL</b>  | <b>9.6 - 20.0</b>   |
| <b>Estriol (E3)</b>   | <b>87.0</b>  | <b>pg/mL</b>  | <b>0.0 - 29.0</b>   |
| <b>E3/[E2+E1]</b>     | <b>0.95</b>  | <b>RATIO</b>  | <b>&gt; 1.00</b>    |
| P4/E2 Ratio (Saliva)  | 23.0         | RATIO         | 4.0 - 108.0         |

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Name: COWIN, CHERIE
Address: 24/25A MARKS STREET
NAREMBURN. 2065
D.O.B.: 27/10/1969 Sex: F
Medicare No:
IHI No:
Lab. Reference: 3450314
Date Requested: 13/10/2016
Addressee: DR DENIS REBIC
Referred by: DR DENIS REBIC
Collected: 13/10/2016 15:59
Specimen: SALIVA
Test Name: CORTMORN, 5Horm
Clinical information: ON PROGESTERONE, DHEA AND MELATONIN CREAM/TROCHE
Copies to: Dr DENIS REBIC
Requested: 13/10/2016 00:00:00
Performed: 13/10/2016 00:00:00
Test name: CORTMORN, 5HORM
Provider name: nutrpath

Cortisol Morning	16.60	nmol/L	6.00 - 42.00
Progesterone (P4)	881.0	pmol/L	318.0 -
1590.0			
Testosterone.	199.0	pmol/L	25.0 - 190.0
Estradiol (E2)	12.0	pmol/L	2.0 - 18.0
Estrone (E1)	22.0	pg/mL	9.6 - 20.0
Estriol (E3)	8.0	pg/mL	0.0 - 29.0
E3/[E2+E1]	0.24	RATIO	> 1.00
P4/E2 Ratio (Saliva)	73.4	RATIO	4.0 - 108.0