

Order	PROLACTIN	Audit No 14	Verified By 6205
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 16/11/2018 11:54
Specimen	E180157800		Collected 13/11/2018 15:55
Type	SERUM GEL		Received 13/11/2018 16:37
Test	Result	Flags	Units Reference Range
PROLACTIN	201		mIU/L 56.-278.
FEMALES: PREMENOPAUSAL REFERENCE RANGE IS QUOTED IF < 50 YEARS OF AGE POSTMENOPAUSAL REFERENCE RANGE IS QUOTED IF >= 50 YEARS			

Order	THYROID FUNCTION TEST	Audit No 15	Verified By 6205
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 16/11/2018 11:54
Specimen	E180157800		Collected 13/11/2018 15:55
Type	SERUM GEL		Received 13/11/2018 16:37
Test	Result	Flags	Units Reference Range
FREE T4	13.9		pmol/L 7.0-16.0
PATIENTS ON HEPARIN THERAPY MAY HAVE ELEVATED FT4 LEVELS DUE TO RELEASE OF NON ESTERIFIED FATTY ACIDS. OTHER DRUGS MAY ALSO ALTER FT4 RESULTS, PARTICULARLY PHENYTOIN AND SALICYLATE. (BECKMAN COULTER DXI)			
TSH	.61		mIU/L 0.38-5.33

Order	ASPARTATE TRANSAMINASE (SGOT)	Audit No	7	Verified By	B400
Laboratory	Chemical Pathology	Ordering Area	RC1	Reported	13/11/2018 19:12
Specimen	B181117497	Collected	13/11/2018 15:55	Received	13/11/2018 16:30
Type	HEPARIN				
Test	Result	Flags	Units	Reference Range	
AST (SGOT)	98	H	I.U./L	0.-50.	

Order	FULL BLOOD COUNT	Audit No	8	Verified By	ABL
Laboratory	Haematology	Ordering Area	RC1	Reported	13/11/2018 16:47
Specimen	H181116272	Collected	13/11/2018 15:55	Received	13/11/2018 16:35
Type	EDTA BLOOD				
Test	Result	Flags	Units	Reference Range	
Hb	15.3		gm/dl	13.0-17.5	
PCV	.448		L/L	0.370-0.540	
RBC	4.79		10 ¹² /L	4.00-6.50	
MCV	93.5		fl	79.0-96.0	
MCH	31.9		pg	27.0-32.0	
RDW	12.70		%	12.00-13.60	
PLATELETS	320		10 ⁹ /L	140.-400.	
WBC	8.93		10 ⁹ /L	4.00-11.00	
NEUTROPHILS	4.49		10 ⁹ /L	2.00-7.50	
LYMPHOCYTE	3.44		10 ⁹ /L	1.00-4.00	
MONOCYTES	.76		10 ⁹ /L	0.20-1.00	
EOSINOPHILS	.21		10 ⁹ /L	0.04-0.40	
BASOPHILS	.03		10 ⁹ /L	0.01-0.10	

Order	U/E (UREA/NA/K/CL/CREAT)	Audit No 1	Verified By B400
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 13/11/2018 19:11
Specimen	B181117497		Collected 13/11/2018 15:55
Type	HEPARIN		Received 13/11/2018 16:30
Test	Result	Flags	Units Reference Range
UREA	8.2	H	mmol/L 2.5-7.8
SODIUM (NA)	138		mmol/L 133.-146.
POTASSIUM (K)	4.6		mmol/L 3.5-5.3
CHLORIDE (CL)	100		mmol/L 95.-108.
CREATININE (PLASMA)	91		umol/L 64.-104.
* CREATININE IS CALIBRATED TO THE ID-MS REFERENCE METHOD.			

Order	LFT & GGT	Audit No 2	Verified By B400
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 13/11/2018 19:12
Specimen	B181117497		Collected 13/11/2018 15:55
Type	HEPARIN		Received 13/11/2018 16:30
Test	Result	Flags	Units Reference Range
BILIRUBIN	13		umol/L 0.-21.
ALT (SGPT)	64	H	I.U./L 0.-50.
ALK PHOS	48		I.U./L 30.-130.
PLEASE NOTE, the ALK PHOS is the adult reference range.			
GGT	11		I.U./L 0.-55.

Order	CA/CORRCA/PO4/MG/ALB	Audit No 3	Verified By B400
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 13/11/2018 19:12
Specimen	B181117497		Collected 13/11/2018 15:55
Type	HEPARIN		Received 13/11/2018 16:30
Test	Result	Flags	Units Reference Range
CALCIUM	2.43		mmol/L 2.20-2.60
CALCIUM CORRECTED FOR ALBUMIN	2.31		mmol/L
THE CORRECTED CALCIUM EQUATION IS NOT VALIDATED FOR SERUM ALBUMIN < 25g/L.			
ALBUMIN	46		g/L 35.-50.
PHOSPHATE	1.15		mmol/L 0.80-1.50
MAGNESIUM	.90		mmol/L 0.70-1.00

Order	FASTING LIPID PROFILE	Audit No 4	Verified By B400
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 13/11/2018 19:12
Specimen	B181117497		Collected 13/11/2018 15:55
Type	HEPARIN		Received 13/11/2018 16:30

Test	Result	Flags	Units	Reference Range
CHOLESTEROL	4.3		mmol/L	0.0-5.0
FASTING TRIGLYCERIDE	.6		mmol/L	0.0-1.7
HDL CHOLESTEROL	.4	LL	mmol/L	1.0-2.0
NON HDL CHOLESTEROL - CALCULATED	3.8		mmol/L	0.0-3.8
LDL CHOLESTEROL, CALCULATED	3.5	H	mmol/L	0.0-3.0

TOTAL CHOLESTEROL: >7.5 - RISK OF FH, ESPECIALLY IF FAMILY HISTORY
 TRIGLYCERIDES: >10 - RISK OF PANCREATITIS.
 TRIGLYCERIDES, NON-FASTING: >4.5 SUGGEST REPEAT FASTING PROFILE
 HDL CHOL: < 0.3 POSSIBILITY OF GENETIC CAUSES
 LDL CHOL: >5.0 INCREASED CVD RISK, MAY INDICATE HETEROZYGOUS FH
 LDL CHOL: < 0.3 POSSIBILITY OF GENETIC CAUSES.

* THE REFERENCE RANGES QUOTED ARE FOR PRIMARY PREVENTION. *

Order	IRON & TRANSFERRIN SATURATION	Audit No 5	Verified By B400
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 13/11/2018 19:12
Specimen	B181117497		Collected 13/11/2018 15:55
Type	HEPARIN		Received 13/11/2018 16:30

Test	Result	Flags	Units	Reference Range
IRON	11.1	L	umol/l	12.5-32.0
TRANSFERRIN SATURATION	17		%	

IF TRANSFERRIN SATURATION > 50% PLEASE REPEAT ON A MORNING FASTING SAMPLE.
 REFER TO: BCSH GUIDELINES.

 A FASTING TRANSFERRIN SATURATION > 55% IN MALES OR > 50% IN FEMALES, INDICATES IRON ACCUMULATION.

Order	GLUCOSE (FASTING)	Audit No 6	Verified By ABL
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 13/11/2018 19:21
Specimen	G181103352		Collected 13/11/2018 15:55
Type	FL OXALATE		Received 13/11/2018 16:32

Test	Result	Flags	Units	Reference Range
GLUCOSE ZERO TIME (FASTING)	3.6		mmol/L	3.6-6.0

Normal = 3.6 - 6.0 mmol/L
 Impaired fasting glycaemia = 6.1 - 6.9 mmol/L
 Diabetes = >7.0 mmol/L

Order	TESTOSTERONE	Audit No 9	Verified By J225
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 14/11/2018 14:48
Specimen	R181171951		Collected 13/11/2018 15:55
Type	SERUM		Received 13/11/2018 16:33

Test	Result	Flags	Units	Reference Range
TESTOSTERONE	>52.05		nmol/L	8.6-29.0

PLEASE NOTE CHANGE IN THE TESTOSTERONE REFERENCE RANGE ON RESULTS REPORTED AFTER 21/09/2015. TESTOSTERONE NOW ANALYSED ON COBAS E601. THE FEMALE REFERENCE RANGE IS APPROXIMATELY 50% LOWER THAN THE PREVIOUS REFERENCE RANGE.

Order	VITAMIN D	Audit No 10	Verified By J225
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 14/11/2018 14:48
PHONED IMELDA WITH TESTO RESULT 14:17 14/11/18			

Specimen	R181171951	Collected	13/11/2018 15:55
Type	SERUM	Received	13/11/2018 16:33

Test	Result	Flags	Units	Reference Range
25-OH VITAMIN D	98.4		nmol/L	

RECOMMENDED TARGET:
SUFFICIENCY: > 50 nmol/L
SEVERE DEFICIENCY: < 20 nmol/L
METHOD: ROCHE, TOTAL VITAMIN D.

Order	PROSTATE SPECIFIC ANTIGEN #	Audit No 12	Verified By J225
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 14/11/2018 11:07
Specimen	E180157800		Collected 13/11/2018 15:55
Type	SERUM GEL		Received 13/11/2018 16:37

Test	Result	Flags	Units	Reference Range
PROSTATE SPECIFIC ANTIGEN	3.04	H	ug/L	0.00-1.99

METHOD: ROCHE, WHO CALIBRATED ASSAY.

Please note method change to the Roche assay - 26/02/2018

The NCCP age related clinical decision values are applied.

The units of reporting have change to the recommended ug/L.

Order	VIT.B12 / FOLIC ACID / FERRITIN	Audit No 16	Verified By 6205	
Laboratory	Chemical Pathology	Ordering Area RC1	Reported 16/11/2018 11:54	
Specimen	E180157800		Collected 13/11/2018 15:55	
Type	SERUM GEL		Received 13/11/2018 16:37	
Test	Result	Flags	Units	Reference Range
FERRITIN	223		ng/ml	24.-336.
METHOD: BECKMAN COULTER. PLEASE NOTE UPDATE OF THE FERRITIN REFERENCE RANGE. EFFECTIVE 9/11/2016.				
VITAMIN B12	567		ng/l	160.-600.
METHOD: BECKMAN COULTER. REFERENCE RANGE UPDATE EFFECTIVE 01/11/10. NORMAL: 160 - 600 ng/L DEFICIENT: < 130 ng/L INDETERMINATE: 130 - 159 ng/L. Deficiency likely if macrocytosis present or positive Intrinsic Factor antibody.				
FOLIC ACID	14.0		ug/L	3.1-19.9
REFERENCE RANGE IS EUROPEAN POPULATION BASED. WHO GUIDANCE / ADVICE: FOLATE CONCENTRATIONS OF < 4.0 ug/L ARE DEFICIENT.				

Order	GONADOTROPHINS	Audit No	11	Verified By	6205
Laboratory	Chemical Pathology	Ordering Area	RC1	Reported	16/11/2018 11:54
Specimen	E180157800	Collected	13/11/2018 15:55	Received	13/11/2018 16:37
Type	SERUM GEL				

Test	Result	Flags	Units	Reference Range
FSH	< 0.2		mIU/ml	

METHOD: BECKMAN COULTER UNICEL Dxi 800

FSH REFERENCE RANGE

MID FOLLICULAR RANGE 1 - 10 mIU/ml
MID CYCLE RANGE 4 - 23 mIU/ml
MID LUTEAL RANGE 1 - 8 mIU/ml
POST MENOPAUSAL RANGE 30 - 120 mIU/ml

MALE RANGE 1 - 12 mIU/ml

H	< 0.2		mIU/ml	
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hLH REFERENCE RANGE

MID FOLLICULAR PHASE 2 - 12 mIU/ml
MID CYCLE PHASE 15 - 100 mIU/ml
MID LUTEAL PHASE 1 - 13 mIU/ml

MALE RANGE = 1 - 9 mIU/ml

METHOD: BECKMAN COULTER Dxi

Order	OESTRADIOL	Audit No	13	Verified By	6205
Laboratory	Chemical Pathology	Ordering Area	RC1	Reported	16/11/2018 11:54
Specimen	E180157800	Collected	13/11/2018 15:55	Received	13/11/2018 16:37
Type	SERUM GEL				

Test	Result	Flags	Units	Reference Range
OESTRADIOL	179		pmol/L	

E2 REFERENCE RANGES:

MID FOLLICULAR = 99 - 448
MID CYCLE = 349 - 1590
MID LUTEAL = 180 - 1068
POST MENOPAUSAL = < 147

MALE = < 173

METHOD: BECKMAN COULTER.