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Clinical Biochemistry
UKAS Accredited

19th May 2017

Dear Colleague

Changes to biochemistry cumulative report

We have been made aware of clinical issues arising from missed results following the introduction of a new format to the cumulative biochemistry report on 1st June 2016. This report cumulates results in columns according to sample date and collection time. The results columns are displayed in chronological order with the sample collected at the most recent date & time always appearing in the end (right hand side) column. This means that newly available results will not appear in the end column under certain circumstances e.g. if a patient has had multiple blood samples, or a urine and blood sample, collected close together (see picture on next page for example). This is a particular issue for tests which have a relatively long turnaround time.

To prevent this problem all samples with a turnaround time of > 7 days will be removed from the cumulative report and will be reported individually from 22nd May 2017. A list of the common primary care tests with a turnaround of >7 days is given on the next page.

It is important that when reviewing results you check all results in columns collected in the 7 days prior to the report being printed to ensure that results are not missed.

If anyone has any concerns or queries regarding the above please contact me at sjenks@nhs.net.

Kind regards

Yours sincerely

S Jenks

Dr S Jenks
ST7 Metabolic Medicine
PLIG Chair

Common Primary Care long turnaround tests (defined as >7 day turnaround time & more than 5 tests received from primary care per month):

Alpha 1 antitrypsin	CA19-9
Angiotensin Converting Enzyme (ACE)	IGF-1
Anti-tissue transglutaminase IgG / IgA	Thyroglobulin
Bence-Jones Protein	Inhibin A
Protein electrophoresis	Inhibin B
Immunoglobulins	Urine 5HIAA
Lambda & Kappa free light chains	Urine Metadrenaline
25OH Vitamin D	Urine Normetadrenaline
Zinc	Faecal Calprotectin
Copper	Faecal Elastase

Example of a report where samples have been collected close together but at slightly different times. All columns in the report below need to be checked.

Date Collected		15/05/2017	15/05/2017	15/05/2017	
Time Collected		10:45	10:45	11:01	
Date Received		15/05/2017	15/05/2017	15/05/2017	
Time Received		18:48	18:49	19:15	
Specimen Number		HB929168C	HB929135M	HB929187Y	
Creatinine	64-111 umol/L	89			
eGFR (/1.73m2)	ml/min	>60			
Sodium	135-145 mmol/L	139			
Potassium	3.6-5.0 mmol/L	5.4 H			
Bilirubin	3-21 umol/L	16			
ALT	10-50 U/L	15			
Alk.Phos	40-125 U/L	89			
GGT	10-55 U/L	15			
Cholesterol	mmol/L	5.4 H			
Triglyceride	0.8-2.1 mmol/L	1.4			
HDL Chol.	0.9-1.4 mmol/L	0.7 L			
LDL Chol.	mmol/L	4.0			
Chol:HDL Ratio		7.5			
HbA1c (IFCC)			To follow		
Urine Albumin	mg/L			27	
MicroalbuminACR	0-2.5 mg/mmol			2.1	
U. Creatinine	mmol/L			12.9	

It is important that when reviewing results you check all results in all the columns collected in the 7 days prior to the report being printed to ensure that results are not missed