

 COPLEY HEALTH SYSTEMS <small>INC.</small>	Laboratory Department General Lab Division/Function	Implementation Date	02/08/2007
		Last Reviewed or Revised Date	05/25/2022
		Approval	Laboratory Director
SOP Owner	Director of Laboratory	Page # 2	1 of 2

Standard Operating Procedure: Critical Result Call and Repeat Criteria

Purpose

To assure confirmation and notification of critical Laboratory results

Scope

Copley Health systems and off-site providers

Definitions

MRSA-methicillin resistant Staphylococcus aureus

CSF-cerebrospinal fluid

ANC-absolute neutrophil count

Prerequisites

Critical result based on indicated call-repeat criteria or Vermont Department of Health reportable pathogens. Critical results called to Copley from a reference laboratory are considered critical values.

Responsibilities

Laboratory staff resulting either in house testing, receiving a phone call from a reference laboratory or downloading interfaced reference lab critical results are responsible for notifying the provider as soon as possible. Documentation of the individual notified is made in the test results. Date and time of notification are noted if not done when result is completed.

Procedure

CALL – REPEAT CRITERIA

CHEMISTRY

CALL

REPEAT

Acetone	Moderate or Large	
Amylase	>200	>200
Bilirubin (baby)	>15	
Calcium	<7.0 or >11.5	<7.0 or >11.5
Carbon dioxide	<15 or >40	<10 or >40
Chloride	<90 or >120	<90 or >120
Digoxin	>2.4	>5.0
Dilantin	>25.0	
Glucose	<60 or >400	<60 or >400
Lipase	>393	



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CHEMISTRY

CALL

REPEAT

Magnesium	<1.0 or >4.9	
Phosphorus	<2.2 or >8.0	<2.2 or >8.0
Potassium	<3.0 or >6.0	<3.0 or >6.0
Sodium	<125 or >155	<125 or >155
T4	<1.5	<1.5
Total Protein	<5.0	<5.0
Troponin	>0.6	

HEMATOLOGY & COAGULATION

CALL

REPEAT

Hematocrit	<25	
WBC	>20,000	
ANC	<500	
PT on coumadin	ALL	
not on coumadin	<8 or >14	<8 or >14
INR	>3.5	>3.5
PTT	>100	
Platelet count	<30,000	

BACTERIOLOGY & URINALYSIS

CALL

Pregnancy test	Positive on a pre-op
Blood culture	All positives on first day detected* called directly to physician as well as nursing unit
CSF cult. and gm. Stain	All positives * called directly to physician as well as nursing unit
MRSA	Positives
C. difficile	Positives
Call all pathogens that are reportable to State Health Dept.	

BLOOD BANK

Direct coombs	Positives on newborns
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BLOOD GASES

CALL

REPEAT

pH (>2 days – adult)	<7.2 or >7.6	<7.0
pH (neonate)	<7.25 or >7.5	<7.0
pH (cord)	<7.2	<7.0
PCO2 (>2days – adult)	<15 or >85	
PCO2 (neonate)	>60	
PO2 (all ages)	<55	

Related Documents

Critical Results
Result Calling Protocol