

NOW! PHYSICIAN CRITICAL INFORMATION

New Chemistry Analyzers and Assays

Baptist Health System Laboratory is pleased to announce the implementation of new chemistry instrumentation. Conversion from Abbott Architect to Beckman Coulter will take place across our system over the last two weeks of October. This conversion will introduce several new tests to our menu, including High Sensitivity Troponin and expanded Drugs of Abuse assays, in addition to several other new tests to include tumor markers and hormone levels (see complete list below).

New Assays

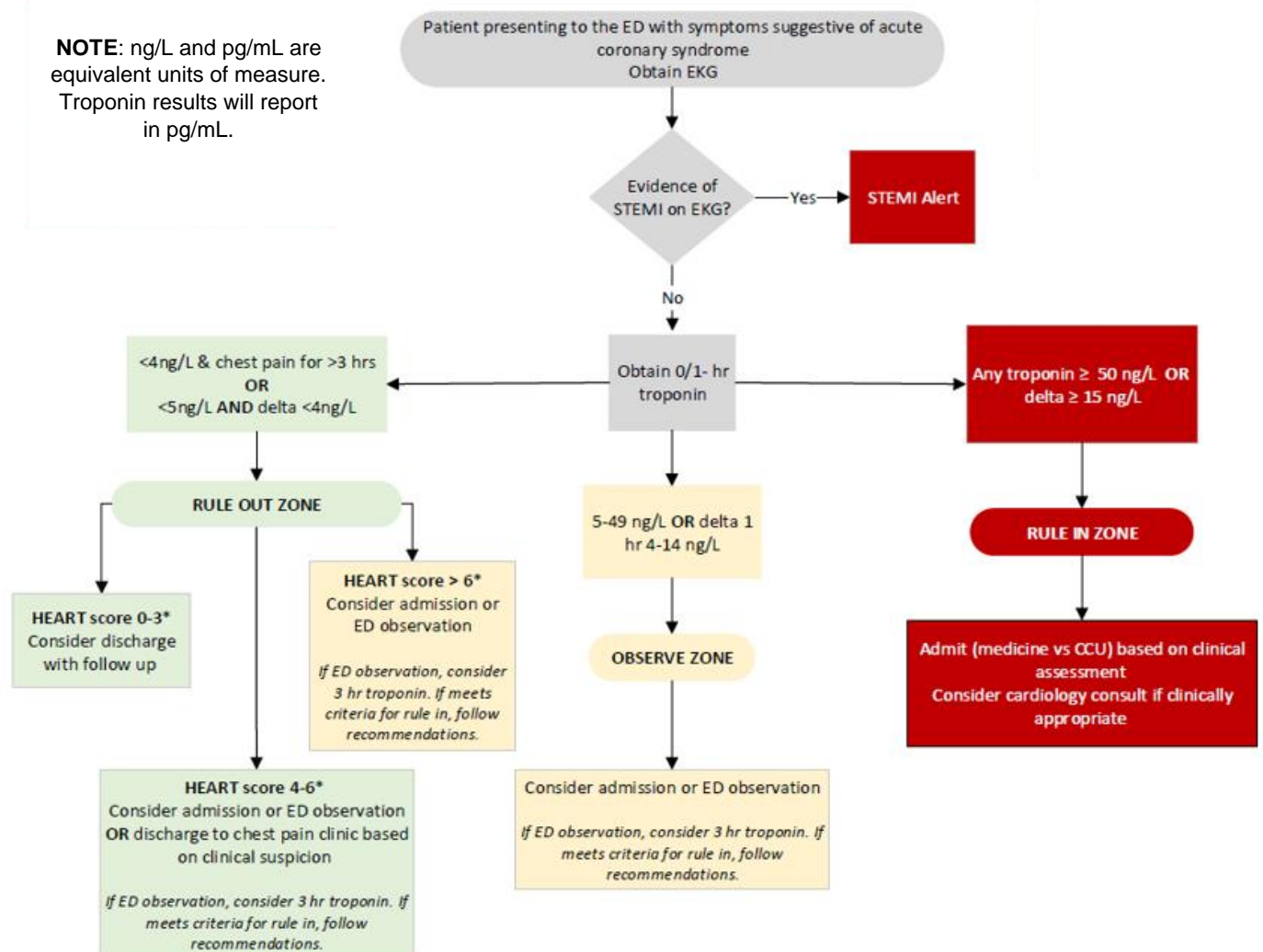
NEW ASSAYS	CERNER ORDER CODES
Homocysteine	Homocysteine Total
Cystatin C	Cystatin C
Kappa Free Light Chain Assay	Kappa Light Chains Free Qnt
Lambda Free Light Chain Assay	Lambda Light Chains Free Qnt
IgA	IgA, Immunoglobulin A
IgG	IgG, Immunoglobulin G
IgM	IgM, Immunoglobulin M
Human luteinizing hormone	LH, Luteinizing Hormone
Prolactin	Prolactin Level
Progesterone	Progesterone Level
Estradiol	Estradiol Level
Sex hormone binding globulin (S	Sex Hormone Binding Globulin
Toxoplasma IgM	Toxoplasma IgM
Toxoplasma IgG	Toxoplasma IgG
Prostate specific antigen (PSA)	PSA, PSA Screen, Prostate Specific Antigen
CA-125	CA 125, Cancer Antigen 125
CA-15.3	CA 15 3, Cancer Antigen 15 3
CA-19-9	CA 19 9, Cancer Antigen 19 9
Intrinsic Factor Antibody	Intrinsic Factor Blocking Antibody
Fentanyl	Fentanyl Screen Urine
Hydrocodone	Hydrocodone Screen Urine, Urine Hydrocodone Screen
Oxycodone	Oxycodone Qual Urine
Methadone	Methadone Screen Ur, Urine Methadone Screen
Methaqualone	Methaqualone Screen Urine
Ecstasy (MDMA)	MDMA Screen
LSD	LSD Screen Urine
6-Acetylmorphine	6-Acetylmorphine Screen Urine, Urine 6-Acetylmorphine Screen
Buprenorphine	Buprenorphine Screen Urine, Urine Buprenorphine Screen
hsTroponin	Troponin I

HIGH SENSITIVITY – (hs)TROPONIN TO REPLACE CONVENTIONAL TROPONIN

High sensitivity Troponin is the preferred standard for establishing a biomarker diagnosis of acute myocardial infarction (AMI). The conversion to high sensitivity hsTroponin brings important changes to our chest pain protocol, reference ranges, as well as result interpretation.

- **Chest pain protocol changes**-The sample draw times will change from 0, 3, and 6 hours to 0, 1, and 3 (if needed). See full algorithm below.
- **Reference range changes**-The reference range for hsTroponin is reported in pg/mL (ng/L) rather than ng/mL as currently reported for conventional troponin. To convert from ng/mL to pg/mL (ng/L), multiply by 1000. For example, 0.03 ng/mL will now be 30 pg/mL (ng/L). In addition, separate gender-specific reference ranges will be utilized for males and females.
 - **Males: 0-20 pg/mL (ng/L)**
 - **Females: 0-12 pg/mL (ng/L)**
- **Updated Critical Value** – The critical value for hsTroponin is ≥ 50 pg/mL (ng/L).
- **Result interpretation**-The new cut-off value to rule in AMI is 50 pg/mL (ng/L). In addition to this cut-off value, a delta of ≥ 15 pg/mL (ng/L) between draws also rules in AMI. Results will be reported in whole numbers.

NOTE: ng/L and pg/mL are equivalent units of measure. Troponin results will report in pg/mL.



- **Reflex rule**-To assist with this algorithm a reflex troponin order will fire one-time during the patient's stay at 1-hour post collection of the initial troponin.
- **Observation**-For those patients who are being observed after a normal/low troponin or delta a one-time troponin at three hours will need to be ordered separately.

SCHEDULED GO-LIVE DATES

BMC: 10/24/2023

MTB: 10/25/2023

NBH: 10/26/2023

SLB: 10/31/2023

RBH: 11/01/2023

NCB: 11/02/2023

distributed October 16, 2023