

PRACTICE GUIDELINE

Effective Date: **4-16-04**

Manual Reference: **Deaconess Trauma Services**

TITLE: LABORATORY STUDIES NEEDED IN TRAUMA RESUSCITATION

PURPOSE: To define a standard set of laboratory studies that should be obtained for the trauma patient in an attempt to aid in diagnosis in an efficient, cost-effective manner.

DEFINITION: Laboratory studies: An examination of the blood or other fluids to obtain information concerning physiologic derangements in the trauma patients.

GUIDELINES:

- A. At Deaconess, the trauma team has minimal “routine labs” that are drawn on all patients according to injury status per ED standards of care. The blood studies should be individualized to the patient and the injuries that are being treated. This would specifically refer to the Category II trauma alerts and trauma consultations.
- B. Full trauma lab panel will be obtained for all Category I trauma activations upon arrival to the ED. This is a standing order for all Category I patients. If the patient will go for an operative procedure, the pre-op labs will also be obtained upon admission to the ED.
- C. All drivers and/or suspected drivers must have a medical ETOH sent to the laboratory upon arrival to the trauma center, unless documentation of ETOH is sent with patient from referring hospital.
- D. For patients less than 12 years old, PI variance letters will not be sent to physicians regarding missing medical ETOH and urine drug screens unless testing was indicated based upon assessment or patient history. Medical ETOH and urine drug screen should be obtained on all children with suspected abuse, history of drug and/or alcohol abuse, suspected driver and/or significant change in LOC.

CATEGORY I TRAUMA LAB PANEL:

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| ▪ ABG | ▪ Lipase |
| ▪ CBC | ▪ Comprehensive Metabolic |
| ▪ Type and cross | ▪ Beta HCG (Female of child bearing age – 60 years old or younger) |
| ▪ Medical ETOH | ▪ PT/INR/PTT |
| ▪ Urinalysis with Microscopic culture if indicated | ▪ EKG |
| ▪ Urine drug screen | |
| ▪ Amylase | |

REFERENCES:

- **ADVANCED TRAUMA LIFE SUPPORT FOR DOCTORS:** American College of Surgeons Committee on Trauma.
- Alcohol interventions for Trauma Patients are not just for Adults, Eastern Association for the Surgery of Trauma, 2009.
- Mader, T.J., Smithline, H.A., Nyquist, S., & Letourneau, P. Social Services referral of adolescent trauma patients admitted following alcohol-related injury.

REVIEWED DATE	REVISED DATE
JAN 2005	JAN 08
JAN 2006	MAY 08
JAN 2007	JUN 09
JUL 2007	MAR 10
NOV 2007	NOV 11
AUG 2014	AUG 16
AUG 2016	
JAN 2017	
JAN 2018	
JAN 2019	
AUG 2020	