Title: TOXICOLOGY STUDIES

Responsibility: ED Registered Nurse (RN)

Purpose of Guidelines: To provide a guideline for obtaining toxicology studies; to determine the necessity of specific treatment for any intoxication whose etiology is not easily detected on physical examination.

Procedure: Toxicology ordered by the physician for diagnostic purposes/evaluation:

1. Toxicology studies are to be drawn on each patient who presents to the ED who has been involved in a vehicular accident and on any patient where there may be a suggestion of drug or alcohol overdose. Patients who present to the ED for the sole purpose of requesting a blood alcohol level must be registered and treated as an ED patient. Requests by law enforcement officers to draw blood for toxicology must be honored and will be performed by the ED attending physician, RN or paramedic.

2. The venipuncture site is to be prepped with Betadine or normal saline. ALCOHOL PREP MUST NOT BE PERFORMED.

3. The following specimens are to be obtained:
   A. Blood - 10 ml placed in a heparinized tube
   B. Urine - all urine obtained from the patient
   C. Gastric contents - all gastric contents obtained from the patient

4. Label the tubes with the patient's name and 6 digit.

5. Document on the toxicology slip the time the specimen was obtained and who performed the venipuncture.

6. Specimens obtained from patients involved in vehicular crashes or patients with intoxications whose etiology is undetected on physical examination are obtained as a therapeutic measure and a signed consent is NOT necessary.

7. The results of toxicology studies are confidential and are not to be released by Emergency Department personnel. The only time an Emergency Department employee may release toxicology results is upon presentation of a search warrant which specifically delineates the release of toxicology results, and is signed by a judge.

8. Requests by law enforcement officers for toxicology results may be obtained through the Medical Records Department, after appropriate release forms have been signed.

Toxicology Requested by Law Enforcement Officers:
1. The Law Enforcement Officer will read the consent for blood alcohol and/or drugs to the patient and request the patient sign the consent form.

2. The ED attending, RN or paramedic may witness the patient's signature on the consent form.

3. Upon the signed consent of the patient, the ED attending, RN, or paramedic will perform the venipuncture:
   A. Prep the venipuncture site with betadine or normal saline. DO NOT USE ALCOHOL OR AN ALCOHOL BASED PREP.
   B. Perform the venipuncture
   C. Place the blood in a heparinized tube and label appropriately with patient name, and time of venipuncture and name of person performing venipuncture.
   D. Secure the tube of blood by sealing it in the Chain of Evidence box.
   E. Keep the original consent form with the medical record and send a copy to the lab with the blood.

**Toxicology Requested by the Coroner:**

1. Obtain specimen by prepping the venipuncture site with betadine or normal saline.

2. Perform venipuncture and place blood in a heparinized tube.

3. Label the tube with the patient's name, 6 digit, date and time specimen obtained and name of the person performing the venipuncture.

4. Secure the tube and handle as evidence.

5. Forward sealed package with tube to the Laboratory, unless otherwise directed by the Coroner.


**Toxicology Requested by Patients:**

1. Generate an Emergency Department medical record for the patient.

2. Be cognizant that there is a two (2) hour window in which the blood should be drawn.

3. Patient must be seen by the Emergency Department attending and toxicology ordered.

4. Obtain specimen by prepping the venipuncture site with betadine or normal saline.

5. Perform venipuncture and place blood in a heparinized tube.

6. Label the tube with the patient's name, 6 digit, date, time specimen obtained and name of the person performing the venipuncture.
1. Daily, the ED paramedic or nursing assistant assigned by the charge nurse/operation manager will collect all equipment belonging to out of county EMS squads in the ED.

2. All equipment will be cleaned of biohazardous materials, labeled with a mailing label containing the name of the agency the equipment is to be returned to, and mailed back to the agency.

3. The ED paramedic or nursing assistant will complete the Receiving/Shipping authorization form.