

Broward County Medical Examiner
5301 SW 31st Avenue
Fort Lauderdale, FL 33312

NAME:	Peterman, Paul	AUTOPSY NO.:	16-3091
SEX:	Male	DATE OF AUTOPSY:	October 14, 2016
RACE:	White	TIME OF AUTOPSY:	1100 hours
AGE:	37	EXAMINER:	Iouri Boiko, MD
DOB:	10/02/1979		Associate Medical Examiner

Circumstances of Death: The decedent was the pedestrian involved in a motor vehicle accident

Authorization for Autopsy: Florida Statute 406

Identification: By police

Cause of Death: MULTIPLE BLUNT FORCE INJURIES

Manner of Death: ACCIDENT

EXTERNAL EXAMINATION

The body is that of a well-developed, well-nourished, white male. An appropriate tag is on the human remains pouch and subsequently placed on the decedent's left great toe. The body bag is sealed with a red plastic evidence tag numbered 052630. The body is 204 pounds, is 68 inches in length, and appears compatible with the reported age of 37 years.

The body is cold. Rigor mortis is present to an equal degree in all extremities. Fixed, purple lividity is distributed on the posterior surfaces of the body, except in areas exposed to pressure.

The scalp hair is brown and 10 centimeters in length. The irides are blue, the corneae are clear, the sclerae are white, and the conjunctivae are tan and free of petechiae. The external auditory canals, external nares, and oral cavity are free of foreign material and abnormal secretions. The nasal skeleton is palpably intact. Multiple blunt force injuries are identified on the body to be reported below. The teeth are in fair condition. Examination of the neck reveals no evidence of injury.

The chest is symmetrical. The abdomen is symmetrical. The extremities display no bony deformities. Needle tracks are not observed.

The external genitalia are those of a normal adult male. The posterior torso is essentially without note. The anus is atraumatic.

CLOTHING & PERSONAL EFFECTS

The decedent is clad gray T-shirt (cut).

EVIDENCE OF INJURY

MULTIPLE BLUNT FORCE INJURIES:

There is a 14 x 1 centimeter horizontally oriented abrasion on forehead. There is a 1 centimeter in diameter abrasion on the right side of forehead. There is a 3 x 2 centimeter vertically oriented abrasion on nose. There is a 3 x 1 centimeter horizontally oriented group of abrasions on the upper lip. There is a 2 centimeter in diameter contusion on the internal surface of the lower lip. There is a 5 centimeter in diameter abrasion and contusion on the occipital scalp. There are bilateral subgaleal hematomas. There are multiple skull fractures. There are bilateral subdural and subarachnoid hemorrhages. There are bilateral brain contusions. There is a fracture of cervical vertebra #2.

There is a 7 centimeter in diameter abrasion on the right side of chest. There is a 10 x 7 centimeter horizontally oriented abrasion on the lower back. There are bilateral pulmonary contusions.

There is a 4 centimeter in diameter abrasion on the lateral surface of the right shoulder. There is a 10 centimeter in diameter abrasion on the lateral surface of the left shoulder. There is a 10 x 5 centimeter vertically oriented abrasion on the posterior surface of the right forearm. There is a 2

centimeter in diameter abrasion on the posterior surface of the right wrist. There are multiple abrasions and contusions on the dorsal surfaces of hands and fingers. There is a 5 centimeter in diameter abrasion on the medial surface of the right knee. There is a 3 centimeter in diameter abrasion on the anterior surface of the left knee.

EVIDENCE OF THERAPY

Evidence of medical interventions includes an endotracheal tube appropriately placed in the upper airways, defibrillator pads adherent to the torso, electrocardiogram pads adherent to the torso, intravascular catheters in the left antecubital fossa and the right wrist, blood pressure cuff on the right arm, a Foley catheter in the bladder, and a hospital bracelet on the left wrist.

RADIOGRAPHS

Radiographs of the body reveal skull fractures and cervical vertebra #2 fracture.

INTERNAL EXAMINATION

BODY CAVITIES:

The body is opened by a Y-shaped incision and the chest plate is removed. No adhesions are present in any of the body cavities. All body organs are in the normal anatomical position. The subcutaneous fat layer of the abdominal wall is 3 centimeters in thickness.

HEAD: (Central Nervous System)

The scalp is reflected. The calvarium of the skull is removed. The cerebral hemispheres are symmetrical and edematous. The structures at the base of the brain, including the cranial nerves are intact. The brain weighs 1510 grams and otherwise unremarkable.

NECK:

The tongue is free of bite marks, hemorrhage, or other injury. The anterior strap muscles of the neck are homogeneous and red-brown without hemorrhage. The thyroid cartilage and hyoid bone are intact. The larynx is lined by intact tan mucosa.

CARDIOVASCULAR SYSTEM:

The pericardial surfaces are smooth, glistening, and unremarkable; the pericardial sac is free of significant fluid or adhesions. The coronary arteries arise normally and follow the usual distribution without atherosclerosis. No thrombosis is noted. The chambers and valves exhibit the usual size-position relationship and are unremarkable. The tricuspid valve is 11 centimeters in circumference, the pulmonary valve 9 centimeters, the mitral valve 10 centimeters, and the aortic valve 8 centimeters. All valve leaflets are thin and pliable. The myocardium is red-brown and firm with no focal lesions; the atrial and ventricular septae are intact. The left ventricle measures 1.5

centimeters, the septum measures 1.5 centimeters, and the right ventricle measures 0.5 centimeters in thickness.

The aorta and its major branches arise normally, follow the usual course, and are widely patent. The vena cavae and their major tributaries return to the heart in the usual distribution and are free of thrombi. The heart weighs 600 grams.

RESPIRATORY SYSTEM:

The upper airway is free of debris and foreign material; the mucosal surfaces are smooth, yellow-tan, and unremarkable. The pulmonary parenchyma is red-purple, edematous, exuding moderate amounts of frothy fluid; no lesions are noted. The pulmonary arteries are normally developed, patent, and without thrombus or embolus. The right lung weighs 900 grams; the left lung weighs 850 grams.

LIVER & BILIARY SYSTEM:

The hepatic capsule is smooth, glistening and intact, covering congested firm green-brown parenchyma with no focal lesions noted. The gallbladder contains 16 milliliters of green-brown, mucoid bile without stones; the mucosal surface is unremarkable. The extrahepatic biliary tree is patent, without evidence of calculi. The liver weighs 2730 grams.

ALIMENTARY TRACT:

The esophagus is lined by gray-white, smooth mucosa. The gastric mucosa is arranged in the usual rugal folds and the lumen contains 30 milliliters of green fluid. The pancreas has the normal pink-tan lobulated appearance. The small and large bowels are unremarkable.

GENTOURINARY SYSTEM:

The renal capsules are smooth and thin, semi-transparent, and strip with ease from the underlying smooth, pale cortical surfaces. The cortices are sharply delineated from the medullary pyramids, which are red-purple to tan and unremarkable. The calyces, pelves, and ureters are unremarkable. There are 910 milliliters of yellow urine in urine collector attached to Foley catheter. The bladder mucosa is gray and unremarkable. The prostate gland and seminal vesicles are without note. The right kidney weighs 270 grams; the left kidney weighs 220 grams.

RETICULOENDOTHELIAL SYSTEM:

The capsule of the spleen is intact and unremarkable. The parenchyma is dark purple and firm. The spleen weighs 350 grams. The regional lymph nodes appear normal.

ENDOCRINE SYSTEM:

The thyroid, pituitary, and adrenal glands are intact.

MUSCULOSKELETAL SYSTEM:

Muscle development is normal. No other skeletal abnormalities are present.

MICROSCOPIC EXAMINATION:

Selected portions of each organ are retained in formalin without preparation of histologic slides.

ADDITIONAL PROCEDURES:

1. Documentary photographs are taken by: Ms. Rebecca Simpson
2. Additional personnel present: None
3. Specimens retained for toxicology testing and/or DNA identification are: Blood card, peripheral blood, vitreous fluid, bile, liver, gastric contents, brain, urine, and serum
4. The dissected organs are released with the body.
5. Forensic Technician: Ms. Christine Courtois
6. Evidence retained by OMETS: Fingerprint card
7. Evidence submitted directly to law enforcement: None
8. Personal effects are released with the body.

FINAL DIAGNOSES:

I. MULTIPLE BLUNT FORCE INJURIES

- A. Bilateral subgaleal hematomas
- B. Multiple skull fractures
- C. Bilateral subdural and subarachnoid hemorrhages
- D. Bilateral brain contusions
- E. Cervical vertebra #2 fracture
- F. Abrasions and contusions

II. CARDIOMEGALY (600 grams)

III. TOXICOLOGY

Blood (peripheral) GC/MS Other Drugs Not Detected
Blood (peripheral) GC/MS Etomidate Positive
Blood (peripheral) GC/MS Delta-9 Carboxy THC Positive 82 ng/mL
Blood (peripheral) GC/MS Delta-9 THC None detected
Blood (peripheral) HSGC/FID Ethanol None detected
Urine GC/MS Delta-9 Carboxy THC Positive
Urine GC/MS Delta-9 THC None detected
Urine IA Cannabinoids Positive
Vitreous HSGC/FID Ethanol None detected

OPINION:

This 37-year-old, white male, Paul Peterman, died as a result of multiple blunt force injuries.

The manner of death is determined to be: ACCIDENT

This opinion as to the cause and manner of death is based on the information available at the date of this report. If additional objective, probative information becomes available, this office reserves the right to consider such information, and if appropriate, amend the report, including the cause and manner of death.

Physical Evidence, Body Parts, and Specimens will retained and disposed of in accordance with Florida Administrative Code Rule 11G-2.004



Iouri G. Boiko, MD
Associate Medical Examiner

12/12/16

Date



Broward County Office of the Medical Examiner and Trauma Services

5301 SW 31st Avenue

Fort Lauderdale, Florida 33312 (954) 357-5225

Final Toxicology Report

Paul Peterman

37 years old White Male

Date Of Birth: 10/2/1979

Case No: **BME2016-3091** Specimen Collection Date: 10/14/2016 11:00
Submitting Agency: Broward County Medical Examiner's Office Specimen Received Date: 10/14/2016 13:24

Specimen:

Bile
Blood (peripheral)
Brain
Gastric
Liver
Serum
Urine
Vitreous

<u>Specimen</u>	<u>Procedure</u>	<u>Drug Class</u>	<u>Result</u>	<u>Concentration</u>
Blood (peripheral)	GC/MS		Other Drugs Not Detected	
Blood (peripheral)	GC/MS	Etomidate	Positive	
Blood (peripheral)	GC/MS	Delta-9 Carboxy THC	Positive	82 ng/mL
Blood (peripheral)	GC/MS	Delta-9 THC	None detected	
Blood (peripheral)	HSGC/FID	Ethanol	None detected	
Urine	GC/MS	Delta-9 Carboxy THC	Positive	
Urine	GC/MS	Delta-9 THC	None detected	
Urine	IA	Cannabinoids	Positive	
Vitreous	HSGC/FID	Ethanol	None detected	



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Supplemental Notes

Specimens are retained and disposed of in accordance with Florida Administrative Code Rule 11G-2.004

Gary W. Kunsman, Ph.D., F-ABFT

Toxicologist

Date reviewed: 11/7/2016