

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

NPI: 1548488414
Accredited by American Board of
Forensic Toxicology
Report of Drug Analysis



SLD Case #: OMI-NONPEND-1508-008
OMI Case #: 2015-03820

Submitter: Office of Medical Investigator
1101 Camino De Salud, NE
UNM School of Medicine
Albuquerque, NM 87102

Decedent: Jefferson Herrera

Physician: LORI PROE

Date of Birth: [REDACTED] 1986
Date of Death: 7/30/2015
Social Security #: [REDACTED]

Gender: Male

Specimens Received:

Femoral Blood Heart Blood Vitreous, Preserved

Sample #: 2015205872
Source: Femoral Blood Date Received: 8/3/2015 15:13

The toxicological results for the above sample are listed below:

Method

Ethanol 0.17 g/100 mL GLC
The measurement of uncertainty is $\pm 4.8\%$ at a confidence level of 95%.

Testing Note(s): The femoral blood was tested for the following drugs-of-abuse using immunoassay: cannabinoids, cocaine metabolite, methamphetamine and opiates. No drugs were detected.

Sample #: 2015205874
Source: Vitreous, Preserved Date Received: 8/3/2015 15:15

The toxicological results for the above sample are listed below:

Method

Ethanol 0.20 g/100 mL GLC
The measurement of uncertainty is $\pm 4.8\%$ at a confidence level of 95%.

Reviewer Signature: _____

Date of Review: 9/23/2015

Print Name: _____

Gerasimos Razatos

Central Office Investigator

Rhonda Moya

Field Investigator

Joseph Sookov

Medical Investigator

Lori Proe DO

Arrival time: 7/30/2015 10:02:00 AM
 Decedent last name: HERRERA
 Decedent first name: JEFFERSON
 Decedent middle: J.
 Decedent suffix:
 SSN:
 Birth date: [REDACTED] 1986 12:00:00 AM
 Age: 29
 Gender: Male
 Race: American Indian
 Hispanic flag: False
 Residence zip: [REDACTED]
 Residence address: [REDACTED]
 Residence city: [REDACTED]
 Residence county: [REDACTED]
 Residence state: [REDACTED]
 Reported by: Wendy
 Reported date: 7/30/2015 7:45:00 AM
 Reported by org: OMI
 Identification by person name:
 ID relation: Cousin
 ID method: Visual
 ID type: Positive
 Pronounced date: 7/30/2015 10:39:00 AM
 Pronounced by: [REDACTED]
 Place of death: Residence
 Hospital/hospice/nursing home:
 Where at facility/scene:
 Pronounced zip: [REDACTED]
 Pronounced addr: [REDACTED]
 Pronounced city: [REDACTED]
 Pronounced county: Sandoval
 Pronounced state: NM
 GPS latitude: 36.12434N
 GPS longitude: 107.4515W
 Mortuary:
 Mortuary reported by:
 NOK name: James Herrera Sr.

Relationship: Parent
NOK zip: [REDACTED]
NOK address: [REDACTED]
NOK city: [REDACTED]
NOK state: [REDACTED]
Phone1:
Phone 2:
Regular physician:
Regular physician phone:
Law enforcement agency: Federal Bureau of Investigations - Albuquerque
Agent in charge: Special Agent: Ross Zurercher
Other investigating agency: Navajo Nation Criminal Investigations
Other agent: Agent: Christopher Tsosie
Field external: False
Exam location:
Exam date:
Exam time:
JT: False
Death certificate signed by:
Cause of death:
Recent surgery: False
Surgery date:
Surgery description:
Surgery date 2:
Surgery 2 description:
Pregnant? False
Pregnant: 0
Pregnancy length:
Date of injury: 7/30/2015 12:33:00 AM
Date of injury unknown? False
Date of injury approx? True
Time of injury: 7/30/2015 12:33:00 AM
Time of injury unknown? False
Time of injury approx? True
Injury at work: No
Injury zip: [REDACTED]
Injury place: [REDACTED]
Injury city: [REDACTED]
Injury county: Sandoval
Injury state: NM
Death circumstances:

Per the FBI, this is an ongoing investigation. At this time witnesses and suspects are still being interviewed.

The best information at this time is as follows:

Shortly before midnight on Wednesday 07-29-2015 the decedent and his brother-in-law were either in the process of vandalizing or committing a crime at another location separate from the scene.

The decedent and his brother-in-law fled the scene of the original incident and began heading towards the family home which sits in a very rural part of Sandoval County on the Navajo Nation. The home sits solely in an open desert area far from other residences on an access road. The home is 13.7 miles south / southeast of New Mexico Highway 550 around mile marker 98 (heading north / northwest, towards Farmington).

Somewhere, which is not clear at this time during the ride back to the family home they either stopped or were stopped by another party or parties.

At this time a currently unnamed subject fired 3 or 4 shots into the vehicle occupied by the decedent and his brother-in-law. The shots were fired from the rear of the vehicle leaning more towards the drivers side. Early investigations reveal that the weapon was a "long gun" and is possibly an AK47 semi-automatic rifle (per FBI).

Multiple rounds struck the vehicle. At this time the decedent was the operator of the vehicle and began profusely bleeding and was not able to continue to drive. The decedent's brother-in-law removed the decedent from the front drivers seat and placed him on the back seat of the car and continued towards the family home. The vehicle stopped on the service road in front of the family home at the entry gate to the property.

Navajo Nation Police were contacted at 0033 hours on 07-30-2015. Officers arrived on scene at 0218 hours. Federal Bureau of Investigations were contacted who in-turn contacted OMI-New Mexico at 0730 hours on 07-30-2015 for investigation and autopsy.

Describe scene:

Remote desert area in Sandoval County, NM 13.7 miles south / southeast of New Mexico Hwy 550 roughly mile marker 98.

Located a green and red four door compact vehicle at rest on a dirt access road in front of the only house for miles.

The vehicle's back window is broken out completely and a defect noted to the middle center of the windshield (unknown if it is new or old).

Interior of the vehicle is "splashed" with blood, the front seat passenger floor board is soaked with blood and several beer cans. The back seat passenger floor board is also soaked with blood. The decedent is laying across the back seat with his feet on the drivers side rear floor board.

Describe decedent:

The decedent is on the back seat of the vehicle laying right lateral recumbent with hands and arms drawn toward his face, his feet rest on the floor of the drivers side rear floor board.

The decedent presents wearing a white short sleeve t-shirt stained with blood, grey "dickies" long pants, black leather belt, white socks and grey high top tennis shoes.

29 year old, Native American, male, roughly 65 kilograms.

HEENT: Round, intact, with a defect noted to the left neck just inferior of midway to shoulder. Second defect noted to the lower right corner of the mouth with a "tear / jagged" laceration type injury and damage to right side of mouth and anterior portion of upper lip and gums.

Thorax: Round, intact, symmetrical, anterior of chest appears normal, the posterior midpoint left scapula has a circular defect noted. Some livor mortis noted on the right lateral posterior chest.

Abdomen: Flat, intact, without masses or rigidity noted. A skin "growth" noted to the left side of the abdomen above the pelvic crest. Retroperitoneal reveals some light livor mortis around the lower right abdomen above the pelvic crest.

Pelvis: Stable and intact.

Extremities: x 4 intact. Rigor mortis noted to the upper extremities in a drawn position towards the head. ** Rigor mortis broke to gain access to the face and neck for examination and photos.

Past medical history:

No information about past medical history available.

Comments:

Bag seal #009048.

Brookwood (Melissa) transported.

Clothing and valuables:

White blood soaked t-shirt.

Black cotton "Dickies" grey long pants.

Black leather belt with holes all the way around and silver buckle.

Grey brief style underwear.

White socks.

Grey "high top" tennis shoes.

Front left pants pocket has .31 cents and a drivers license / ID.

Other pockets are empty.

No jewelry, rings, watches noted on the decedent.

Medications located at:

Medications turned over to:

Medications turned over date:

Medications turned over by:

Medications counting witness by:

Medications log:

No medications on patient and none located in vehicle.

CODMI consulted: Rhonda Moya

CODMI instructions:

Send for autopsy.

One way mileage:

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DEATH INVESTIGATION SUMMARY

Case Number: 2015-03820

HERRERA, JEFFERSON J.

County Pronounced: Sandoval
Law Enforcement: Federal Bureau of Investigations - Albuquerque
Agent: Special Agent: Ross Zurercher
Date of Birth: [REDACTED]/1986
Pronounced Date/Time: 7/30/2015 10:39:00 AM
Central Office Investigator: Rhonda Moya
Deputy Field Investigator: Joseph Sookov

CAUSE OF DEATH

Gunshot wound of back and neck

MANNER OF DEATH

Homicide

Lauren Dvorscak MD

Forensic Pathology Fellow

Lori Proe DO

Associate Medical Investigator

All signatures authenticated electronically

Date: 8/13/2015 2:55:09 PM

DECLARATION

The death of HERRERA, JEFFERSON J. was investigated by the Office of the Medical Investigator as a consultation and not under the statutory authority of the Office of the Medical Investigator.

I, Lori Proe DO, a board certified anatomic, clinical, and forensic pathologist licensed to practice pathology in the State of New Mexico, do declare that I personally performed or supervised the tasks described within this Death Investigation Summary document. It is only after careful consideration of all data available to me at the time that this report was finalized that I attest to the diagnoses and opinions stated herein.

Numerous photographs were obtained along the course of the examination. I have personally reviewed those photographs and attest that they are representative of findings reported in this document.

This document is divided into 8 sections with a final Procedural Notes section:

1. Summary and Opinion
2. External Examination
3. Medical Intervention
4. Postmortem Changes
5. Evidence of Injuries
6. Internal Examination
7. Microscopy
8. Postmortem Computed Tomography

Should you have questions after review of this material, please feel free to contact me at the Office of the Medical Investigator (Albuquerque, New Mexico) - 505-272-3053.

Medical Investigator

Lori Proe DO

Medical Investigator Trainee

Lauren Dvorscak MD

SUMMARY AND OPINION

This 29-year-old man, Jefferson Herrera, died of a gunshot wound of the back and neck.

According to reports, Mr. Herrera was the driver of a vehicle shot from behind on the evening of July 29, or early morning of July 30, 2015. After he was shot, another individual put Mr. Herrera in the back of the car and drove the car toward the family home. Police were contacted and found Mr. Herrera dead when they arrived on the scene.

Autopsy revealed an adult male with an indeterminate range of fire gunshot wound that entered the left upper back, went through the left shoulder blade and left neck, went into the oral cavity and out the right side of the mouth. The trajectory was back to front, left to right, and upward.

Along the track of the gunshot wound were scrapes and an oval defect of the left. This wound may represent a partial exit and re-entry of the bullet or a skin tear that occurred as the bullet traveled close to the skin surface.

While no major blood vessels or organs were damaged along the wound track, it appears that Mr. Herrera lost a significant amount of blood from his injury; he may have also inhaled some of the blood, which would have caused significant breathing difficulties.

Natural disease that did not cause or contribute to death included a non-cancerous, small tumor of one kidney.

The manner of death is homicide.

Medical Investigator

Lori Proe DO

Medical Investigator Trainee

Lauren Dvorscak MD

External exam date time: 7/31/2015 8:44:00 AM

Authority for examination: OMI

ID confirmed at time of exam: Yes

Means used to confirm identity: Visual

Other verification means:

Location of orange bracelet: Right wrist

Name on orange bracelet: Decedent name

Other name on orange bracelet:

Location of green bracelet: Right wrist

Name on green bracelet: Decedent name

Other name on green bracelet:

Hospital ID tags or bracelets? No

If yes specify stated name and location:

Body length (cm): 176.00

Body weight (kgs): 60.20

BMI: 19.43

Development: Well-developed

Development comments:

Stature: Well-nourished

Age: Appears to be stated age

Anasarca: No

Edema localized: No

Dehydration: No

Skin comments:

A 1.8 x 1.5 x 0.6 cm, raised, smooth, well circumscribed lesion, containing, soft, green-gray material, is on the left anterior hip.

Scalp hair color: Black

Scalp hair length: Short

Eyes: Both eyes present

Irides: Brown

Eyes corneae: Clouded

Eyes sclerae: Congested

Eyes conjunctivae: Translucent

Eyes petechiae: No

Palpebral petechiae: No

Bulbar petechiae: No

Facial petechiae: No
 Oral mucosal petechiae: No
 Nose: Normally formed
 Ears: Normally formed
 Lips: Other

Facial comments:

See the "Evidence of Injuries" section.

Facial hair: Goatee
 Facial hair color: Black
 Maxillary dentition: Natural
 Mandibular dentition: Natural
 Condition of dentition: Adequate

Dentition comments:

See the "Evidence of Injuries" section.

Neck: Abnormal - See Evidence of Injury
 Trachea midline: Yes
 Chest development: Normal
 Chest symmetrical: Yes
 Chest diameter: Appropriate
 Abdomen: Flat
 Anus: Unremarkable
 Back: Unremarkable
 Spine: Normal
 External genitalia: Male
 Breast development: None
 Breast masses: None
 Right hand digits complete: Yes
 Left hand digits complete: Yes
 Right foot digits complete: Yes
 Left foot digits complete: Yes
 Extremities: Well-developed and symmetrical
 Muscle group atrophy: No
 Senile purpura: No
 Pitting edema: No
 Muscle other: No

Tattoo(s)

Tattoos present: Yes
 Tattoo right shoulder: Yes
 Tattoo right arm: Yes
 Tattoo right forearm: Yes
 Tattoo right hand: Yes
 Tattoo right hand digits: Yes
 Tattoo left shoulder: Yes

Tattoo left forearm: Yes
 Tattoo left hand: Yes
 Tattoo left hand digits: Yes

Tattoo left thigh: Yes

Cosmetic Piercing(s)

Cosmetic piercing present: No

Scar(s)

Scar(s) present: Yes
 Scar suprapubic: Yes
 Scar right knee: Yes
 Scar right lower leg: Yes
 Scar left knee: Yes
 Scar left lower leg: Yes

Scar comment:

Multiple, brown, 0.3-0.6 cm, scars are on the suprapubic area, posterior shoulders, back, and buttocks.

External exam comment:

The hands are covered by paper bags, sealed with tape at the wrists, for the preservation of possible evidence.

Reporting Tracking

Reported by: Lauren Dvorscak MD
 Verified by: Lori Proe DO on 8/13/2015 11:45:23 AM
 Reviewed and approved by: Lori Proe DO on 8/13/2015 2:55:09 PM

Medical Investigator

Lori Proe DO

Medical Investigator Trainee

Lauren Dvorscak MD

Evidence of medical intervention: No

Report Tracking

Reported by: Lauren Dvorscak MD
Verified by: Lori Proe DO on 8/13/2015 12:06:57 PM
Reviewed and approved by: Lori Proe DO on 8/13/2015 2:55:09 PM

Medical Investigator

Lori Proe DO

Medical Investigator Trainee

Lauren Dvorscak MD

External exam date: 7/31/2015 8:49:00 AM
Body temperature: Cool subsequent to refrigeration
Rigor mortis: Fully fixed
Livor mortis - color: Pink
Livor mortis - fixation (if applicable): Fully Fixed
Livor mortis - position (if applicable): Posterior
Livor mortis - blanching and patterns (if applicable):
Right sided and faint posterior livor mortis is present.
State of preservation: No decomposition
Drying of exposed mucous membranes: Yes

Report Tracking

Reported by: Lauren Dvorscak MD
Verified by: Lori Proe DO on 8/13/2015 12:10:38 PM
Reviewed and approved by: Lori Proe DO on 8/13/2015 2:55:09 PM

Medical Investigator

Lori Proe DO

Medical Investigator Trainee

Lauren Dvorscak MD

Are there any injuries: Yes

Evidence of Injury:

Autopsy date: 7/31/2015 8:43:00 AM

#	Injury	Location	Injury Description
1	Firearm injury	Back	<p>GUNSHOT WOUND OF LEFT BACK, INDETERMINATE RANGE</p> <p>Entrance:</p> <p>On the left upper back, 26.8 cm below the top of the head, 12.3 cm left of the posterior midline and 12.1 cm right of the left acromion process, is an entrance gunshot wound consisting of a 1.9 x 0.4 cm, oval defect with a 0.1-0.5 cm, wide, eccentric, pink, marginal abrasion which is widest at 6 o'clock. Soot, unburned gunpowder particles and gunpowder stippling are not visible on the skin surrounding the wound.</p> <p>Path:</p> <p>The hemorrhagic wound track sequentially perforates the skin and soft tissue of the left upper back, left scapular spine, the soft tissue of the left shoulder and neck (including the left sternocleidomastoid, left omohyoid, and left sternothyroid muscles), left posterior hyoid, epiglottis, central tongue, right mandible, right maxilla, the right first maxillary bicuspid and the soft tissue and skin of the right labial commissure.</p> <p>Along the wound track is a 2 x 0.4 cm, gaping, oval defect, with a pink, 0.1 cm x 0.3 cm, marginal abrasion at 7 o'clock, of the left, lateral neck. Multiple, 2 - 3.2 cm, red-brown to red-pink abrasions are clustered above and below the wound. The oval defect is located 23 cm below the top of the head, 10.1 cm left of the anterior midline and 9.2 cm superior to the left acromion process.</p> <p>Associated Injuries:</p> <p>Associated injuries include abundant blood in the larynx, trachea and right, mainstem bronchus.</p> <p>Exit:</p> <p>On the right labial commissure, 18 cm below the top of the head, 3.3 cm right of the anterior midline of the face and 14 cm left of the right earlobe, is an exit gunshot wound consisting of a 2.3 x 1.3 cm irregular, stellate laceration without marginal abrasion. The wound contains fragments of the fractured right first bicuspid.</p> <p>Trajectory:</p> <p>The wound track travels from the decedent's left to right, back to front, and upward.</p> <p>Clothing:</p> <p>On the left upper back area of the blood-stained, white t-shirt, and corresponding to the entrance gunshot wound is a 2.1 x 0.6 cm defect with frayed edges. Soot or unburned gunpowder particles are not visible on the fabric surrounding the defect.</p>
2	Blunt injury	Head	<p>A 1.3 x 0.3 cm, red-purple abrasion is on the superior helix of the right ear. The right earlobe has a 0.5 x 0.2 cm laceration.</p>

3	Blunt injury	Extremity	On the left posterior knee is a 3.0 x 2.5 cm, red-purple contusion.
4	Blunt injury	Trunk	Multiple, brown, 0.3-0.6 cm, healing abrasions are on the suprapubic area, posterior shoulders, back and buttocks.

Report Tracking

Reported by: Lauren Dvorscak MD
Verified by: Lori Proe DO on 8/13/2015 12:07:05 PM
Reviewed and approved by: Lori Proe DO on 8/13/2015 2:55:09 PM

Medical Investigator

Lori Proe DO

Medical Investigator Trainee

Lauren Dvorscak MD

Date of Autopsy: 7/31/2015 8:43:00 AM

Date of Internal Exam: 7/31/2015 8:44:00 AM

BODY CAVITIES

Chest cavities examined:	Yes
Abdominal cavity examined:	Yes
See evidence of injury section	No
Organs in normal anatomic position	Yes
Other organ position comments	
Diaphragm:	Intact
Serosal surfaces:	Smooth and glistening
Body cavity adhesions present:	No
Fluid accumulation present:	No

HEAD

Brain examined:	Yes
See separate forensic neuropathology consultation report	No
See evidence of injury section:	No
See evidence of medical Intervention section:	No
See postmortem changes section:	No
Brain fresh (g):	1490
Brain fixed (g):	
Facial skeleton:	See Evidence of Injury
Calvarium:	No fractures
Skull base:	No fractures
Skull comments:	
Dura mater:	Unremarkable and without masses
Dural venous sinuses:	Patent
Leptomeninges:	Thin and transparent
Epidural hemorrhages / hematomas:	Absent
Subdural hemorrhages / hematomas:	Absent
Subarachnoid hemorrhages:	Absent
Cerebral hemispheres:	Symmetrical
Gyral and sulcal patterns:	Unremarkable
Gyral convolutions and sulci:	No widening or flattening of gyri and no narrowing of sulci
Uncal processes:	Unremarkable

Cerebellar tonsils:	Unremarkable
Cranial nerves:	Unremarkable
Basilar arterial vasculature:	Unremarkable
Cerebral cortex:	Unremarkable
White matter:	Unremarkable
Corpus callosum:	Unremarkable
Deep gray matter structures:	Unremarkable
Brainstem:	Unremarkable
Cerebellum:	Unremarkable

Spinal Cord

Spinal cord examined:	No
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Middle Ears

Middle ears examined:	No
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Neck

Neck examined:	Yes
See Evidence of Injury section:	Yes
See Evidence of Medical Intervention section:	No
See Postmortem Changes section:	No
Subcutaneous soft tissues:	See Evidence of Injury
Strap muscles:	See Evidence of Injury
Jugular veins:	See Evidence of Injury
Carotid arteries:	Unremarkable
Tongue:	See Evidence of Injury
Epiglottis:	See Evidence of Injury
Hyoid bone:	See Evidence of Injury
Larynx:	Unremarkable
Palatine tonsils:	Not examined

CARDIOVASCULAR SYSTEM

Heart examined:	Yes
See separate Cardiovascular Pathology report:	No
See Evidence of Injury section:	No
See Evidence of Medical Intervention section:	No
See Postmortem Changes section:	No

Heart

Right coronary ostium position:	Normal
Left coronary ostium position:	Normal
Supply of the posterior myocardium:	Right coronary artery
Heart fresh (g):	260.0
Heart fixed (g):	

Coronary artery stenosis by atherosclerosis (in percent):

Right coronary ostium:	0
Proximal third right coronary artery:	0
Middle third right coronary artery:	0
Distal third right coronary artery:	0
Left coronary ostium:	0
Left main coronary artery:	0
Proximal third left anterior descending coronary artery:	0
Middle third left anterior descending coronary artery:	0
Distal third left anterior descending coronary artery:	0
Proximal third left circumflex coronary artery:	0
Middle third left circumflex coronary artery:	0
Distal third left circumflex coronary artery:	0

Cardiac Chambers and Valves:

Cardiac chambers:	Unremarkable
Tricuspid valve:	Unremarkable
Pulmonic valve:	Unremarkable
Mitral valve:	Unremarkable
Aortic valve:	Unremarkable
Right ventricular myocardium:	No fibrosis, erythema, pathologic infiltration of adipose tissue or areas of accentuated softening or induration
Left ventricular myocardium:	No fibrosis, erythema, or areas of accentuated softening or induration
Atrial septum:	Unremarkable
Ventricular septum:	Unremarkable
Right ventricular free wall thickness:	0.4 cm
Left ventricular free wall thickness:	1.3 cm
Interventricular septum thickness:	1.3 cm

Aorta

Aorta examined:	Yes
Orifices of the major vascular branches:	Patent
Coarctation:	No
Vascular dissection:	No
Aneurysm formation:	No
Complex atherosclerosis:	No
Other aortic pathology:	No

Vena Cava

Great vessels examined:	Yes
Vena cava and major tributaries:	Patent

RESPIRATORY SYSTEM

Lungs examined:	Yes
See separate Cardiovascular Pathology report:	No
See Evidence of Injury section:	No
See Evidence of Medical Intervention section:	No
See Postmortem Changes section:	No
Lung right (g):	550
Lung left (g):	240
Upper and lower airways:	Other - See comments
Pulmonary parenchyma color:	Dark red-purple
Pulmonary parenchyma congestion and edema:	Moderate amounts of blood and frothy fluid
Pulmonary trunk:	Free of saddle embolus
Pulmonary artery thrombi:	None
Pulmonary artery atherosclerosis:	None

Other airway and lung comments:

The larynx, trachea, and right tranchiobronchial tree are filled with moderate amounts of blood and mucoid material. (See the "Evidence of Injuries" section.) The right lung is more congested than the left.

HEPATOBILIARY SYSTEM

Liver examined:	Yes
See Evidence of Injury section:	No
See Evidence of Medical Intervention section:	No
See Postmortem Changes section:	No
Liver (g):	1155
Bile vol (mL):	5
Gallstones autopsy:	No
Gallstones autopsy desc:	
Hepatic parenchyma (color):	Red-brown
Hepatic parenchyma (texture):	Unremarkable
Hepatic vasculature:	Unremarkable and free of thrombus
Gallbladder:	Unremarkable
Gallstones:	None
Intrahepatic biliary tree:	Unremarkable
Extrahepatic biliary tree:	Unremarkable

GASTROINTESTINAL SYSTEM

Alimentary tract examined:	Yes
See Evidence of Injury section:	No
See Evidence of Medical Intervention section:	No
See Postmortem Changes section:	No
Stomach contents vol (mL):	150

Stomach contents description:

Brown-yellow, thick, chunky material

Appendix found: Yes**Esophagus****Course:** Normal course without fistulae**Mucosa:** Gray-white, smooth and without lesions**Stomach****Mucosa:** Autolyzed**Pylorus:** Patent and without muscular hypertrophy**Small Intestine****Luminal contents:** Partially digested food**Mucosa:** Unremarkable**Caliber and continuity:** Appropriate caliber without interruption of luminal continuity**Colon****Luminal contents:** Formed stool**Mucosa:** Unremarkable**Caliber and continuity:** Appropriate caliber without interruption of luminal continuity**Pancreas****Form:** Normal tan, lobulated appearance**GENITOURINARY SYSTEM****Genitourinary system examined:** Yes**See Evidence of Injury section:** No**See Evidence of Medical Intervention section:** No**See Postmortem Changes section:** No**Kidneys****Kidneys capsules:** Thin, semitransparent**Cortical surfaces:** Smooth**Cortices:** Normal thickness and well-delineated from the medullary pyramids**Calyces, pelves and ureters:** Non-dilated and free of stones and masses**Kidney right (g):** 95**Kidney left (g):** 105**Urine volume (mL):** 120**Urine description:**

Yellow, clear

Urinary Bladder**Urinary bladder mucosa:** Gray-tan and smooth**Male****Male:** Yes**Testicles****Location:** Bilaterally intrascrotal**Size:** Unremarkable**Consistency:** Homogeneous

Other testicle comments:

Prostate Gland

Size: Unremarkable
 Consistency: Homogeneous

Other prostate gland comments:

RETICULOENDOTHELIAL SYSTEM

Reticuloendothelial system examined: Yes
 See Evidence of Injury section: No
 See Evidence of Medical Intervention section: No
 See Postmortem Changes section: No

Spleen

Spleen (g): 60
 Spleen parenchyma: Diffluent
 Spleen capsule: Intact
 Spleen white pulp: Indiscernible

Bone Marrow

Color: Red-brown, homogeneous and ample

Lymph Nodes

Regional adenopathy: No adenopathy

Thymus

Thymus (g):
 Parenchyma: Absent (involution by adipose tissue)

ENDOCRINE SYSTEM

Endocrine system examined: Yes
 See Evidence of Injury section: No
 See Evidence of Medical Intervention section: No
 See Postmortem Changes section: No

Pituitary Gland

Size: Normal

Thyroid Gland

Position: Normal
 Size: Normal
 Parenchyma: Homogeneous

Adrenal Glands

Adrenal right (g):
 Adrenal left (g):
 Size: Normal
 Parenchyma: Yellow cortices and gray medullae with the expected corticomedullary ratio

MUSCULOSKELETAL SYSTEM

Musculoskeletal system examined: Yes

See Evidence of Injury section: Yes
See Evidence of Medical Intervention section: No
See Postmortem Changes section: No
Bony framework: Unremarkable
Musculature: Unremarkable
Subcutaneous soft tissues: See Evidence of Injury

ADDITIONAL COMMENTS

Report Tracking

Reported by: Lauren Dvorscak MD
Verified by: Lori Proe DO on 8/13/2015 12:10:19 PM
Reviewed and approved by: Lori Proe DO on 8/13/2015 2:55:09 PM

Medical Investigator

Lori Proe DO

Medical Investigator Trainee

Lauren Dvorscak MD

Microscopic description:

HEART: Rare, patchy, hypertrophic myocytes

LUNG: Moderate, intra-alveolar collections of red blood cells; postmortem, bacterial colonies; non-polarizable, lamellated, foreign material in an intra-alveolar and intra-bronchiolar distribution; mild, perivascular, black, pigment deposition

LIVER: Rare, macrosteatotic hepatocytes; single focus of limited, portal and interface, chronic inflammation

KIDNEY: A 0.2 cm, well circumscribed, hyalinized lesion composed of bland, stellate spindle cells is in the right renal medulla. There is otherwise no significant histopathologic diagnosis of the kidneys.

SKIN: Unremarkable, keratinizing epithelium with central cavity containing keratinaceous debris; no cyst lining evident

BRAIN: No significant histopathologic diagnosis

*Unless otherwise indicated sections are stained only with hematoxylin and eosin (H&E).

Block	Tissue Location	Description	Stain
A1	Left lung, left kidney, left cardiac ventricle		
A2	Right lung, right kidney, right cardiac ventricle		
A3	Liver, cardiac ventricular septum, skin lesion		
A4	Brain		

Report Tracking

Reported by: Lauren Dvorscak MD
Verified by: Lori Proe DO on 8/13/2015 12:32:21 PM
Reviewed and approved by: Lori Proe DO on 8/13/2015 2:55:09 PM

Medical Investigator

Lori Proe DO

Date of examination: 7/31/2015 8:43:00 AM**Study date:** 7/31/2015 7:31:00 AM**Accession number:** 2015-03820**Exam type:** Postmortem full body**Technique:** Computed tomography**Comparison:** None**Comments:**

Review of the postmortem, computed tomography scan reveals subcutaneous gas of the left back and fractures of the left scapula fracture, left hyoid bone, right mandible and right maxilla. No retained, radio-opaque objects are identified.

There are patchy areas of consolidation of the right lung.

Report Tracking

Reported by:	Lauren Dvorscak MD
Verified by:	Lori Proe DO on 8/13/2015 12:15:40 PM
Reviewed and approved by:	Lori Proe DO on 8/13/2015 2:55:09 PM

Case Number: 2015-03820
 Decedent Name: HERRERA, JEFFERSON
 Pathologist: Lori Proe DO
 Fellow/Resident: Lauren Dvorscak MD
 Date of Examination: 7/31/2015 8:43:00 AM

Morphology technican(s) present

Yellow Sheet	Morphology Technician
Identification	Danielle Sanchez
Autopsy	Danielle Sanchez
Evidence	Danielle Sanchez
Evidence	Danielle Sanchez
LabOther	Danielle Sanchez
Attendees	Danielle Sanchez
Radiology	Danielle Sanchez
Retention	Danielle Sanchez
Toxicology	Danielle Sanchez
Toxicology	Danielle Sanchez
Toxicology	Danielle Sanchez

Morphology technican supervisor(s) present

Yellow Sheet	Morphology Technician Lead
Identification	Michael Jarvis
Autopsy	Asheley Coriz
Evidence	Michael Jarvis
Radiology	Michael Jarvis
Retention	Michael Jarvis
Toxicology	Erika Cavalier
LabOther	Erika Cavalier
Attendees	Michael Jarvis

Autopsy attendees**Other morphology technicians present:**

Michael Jarvis- Senior tech.

Rebecca Avery - Staff Tech.

Specimens obtained for toxicology testing

Use antemortem specimens for testing:	No
Femoral blood collected:	Yes
Heart blood collected:	Yes
Blood other collected:	No
Preserved vitreous collected:	Yes
Un-preserved vitreous collected:	Yes
Urine collected:	Yes
Bile collected:	No
Gastric contents collected:	No
Kidney tissue collected:	No
Liver tissue collected:	No
Brain tissue collected:	No
Muscle tissue collected:	No
Other tissue collected:	No

Specimens obtained for laboratory testing

HIV serology:	No
HIV spin and store:	Yes
HCV/HBV serology :	No
Influenza serology:	No
Other serology:	No
Freezer protocol:	No
DNA card:	Yes
Metabolic screen:	No
Cytogenetics:	No
Med-X protocol:	No
Urine dipstick:	No
Blood cultures (bacterial):	No
Lung cultures (bacterial):	No
CSF culture (bacterial):	No
Spleen culture (bacterial):	No
Stool culture (bacterial):	No
Other bacterial culture (specify):	
Mycobacterial culture (lung):	No
Mycobacterial culture (other):	No
Viral Cultures:	No

Approach to autopsy dissection

Rokitansky evisceration:	No
Virchow evisceration:	Yes
Modified evisceration:	No

Special autopsy techniques

HIV serology:	No
Pericranial membrane removal:	No
Neck anterior dissection:	Yes
Neck posterior dissection:	No
Facial dissection:	No
Vertebral artery dissection (in situ):	No
Cervical spine removal:	No
Layered anterior trunk dissection:	No
Anterolateral rib arc dissection:	No
Back dissection:	No
Posterior rib arc dissection:	No
Extremity soft tissue dissection:	No
Eye enucleation:	No
Inner middle ear evaluation:	No
Maxilla or mandible resection:	No
Spinal cord removal (anterior):	No
Spinal cord removal (posterior):	No
Other dissection(s):	

Tissues retention

Stock jar with standard tissue retention:	Yes
Rib segment:	Yes
Pituitary gland:	Yes
Breast tissue (women only):	No
Brain retention:	No
Spinal cord retention:	No
Cervical spine retention:	No
Heart retention:	No
Heart-lung block retention:	No
Rib cage retention:	No
Long bone retention:	No
Other retention,specify:	

Disposition of tissues retained for extended examination

Specimen outcome: Not applicable; no tissues were retained for extended examination.

Number of scene photos produced by the OMI

Scene Photos: 46

Number of autopsy photos produced by the OMI

Autopsy Photos: 116

Evidence collected

FBI blood tube: No
 Blood spot card: No
 APD blood card: Yes
 Thumbprint: Yes
 Fingerprints: No
 Palmprints: No
 Print hold: No
 Oral swab: No
 Vaginal swab: No
 Anal swab: No
 Other swab: No
 Fingernails: Yes
 Scalp hair: Yes
 Pubic hair: No
 Pubic hair combing: No
 Projectile(s): No
 Retain clothing: Yes
 Retain valuables: No
 Retain trace evidence: No
 Retain body bag: No
 Retain hand bags: Yes
 Ligature: No
 Other evidence retained:

Personal effects

Property Type	Property Description	Property Detail
Hand Bag	Left Hand	n/a
Hand Bag	Right Hand	n/a
Hair	Scalp	n/a
Fingernail Clipping	Left Hand	w/ clippers
Fingernail Clipping	Right Hand	w/ clippers
Blood	FTA Blood Card	n/a
None	NONE	No Pers. Effects to Inventory
Fingerprints	Describe	10 prints

Clothing

Property Type	Property Description	Property Detail
Clothing	Shirt	n/a
Clothing	Belt	n/a
Clothing	Pants	n/a
Clothing	Underpants	n/a
Clothing	Shoes	n/a
Clothing	Socks	n/a