DEATH INVESTIGATION SUMMARY

Case Number: 2014-01437

LUSIAN, DALE ANTHONY

County Pronounced: Bernalillo
Law Enforcement:
Agent:
Date of Birth: 12/20/1957
Pronounced Date/Time: 3/21/2014 2:24:00 PM
Central Office Investigator: Janice Blevins
Deputy Field Investigator: Janice Blevins COI

CAUSE OF DEATH

Gunshot wound of chest

MANNER OF DEATH

Suicide

Odey Ukpo MD
Forensic Pathology Fellow

Michelle Aurelius MD
Assistant Chief Medical Investigator and University of New Mexico Hospital Autopsy Director

All signatures authenticated electronically
Date: 5/27/2014 3:55:59 PM
DECLARATION

The death of LUSIAN, DALE ANTHONY was investigated by the Office of the Medical Investigator under the statutory authority of the Office of the Medical Investigator.

I, Michelle Aurelius MD, 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 9 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. Radiography
9. 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.
<table>
<thead>
<tr>
<th>Amendment:</th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Medical Investigator</th>
<th>Medical Investigator Trainee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michelle Aurelius MD</td>
<td>Odey Ukpo MD</td>
</tr>
</tbody>
</table>

Last Date Saved:

<table>
<thead>
<tr>
<th>Amendment:</th>
<th></th>
</tr>
</thead>
</table>
PATHOLOGIC DIAGNOSES:

I. Gunshot wound of chest, indeterminate range of fire
   A. Entrance: left chest
   B. Path: perforates skin, subcutaneous tissue, left anterior 4/5 rib, pericardium, heart, liver, stomach, spleen, and left posterior intercostal space; penetrates soft tissue of left lower back
   C. Recovery: left back soft tissue, 213 grain copper colored jacketed missile
   D. Trajectory: front to back, left to right and downward
   E. Associated injuries:
      1. Left hemothorax (1600 mL)
      2. Left pneumothorax
      3. Mediastinal shift to the right

II. Perimortem injuries
   A. Bean bags with spherical alloy beads, left periorbit and left cheek
      1. Left eyebrow/upper eyelid laceration, left periorbital fractures
      2. Left cheek laceration, left maxillary and zygomatic fractures

III. Blunt force injuries and animal injuries
   A. Left lateral bicep
   B. Left anterior forearm
   C. Left medical bicep
   D. Left anterior forearm
   E. Left anterior wrist

SUMMARY AND OPINION:

According to law enforcement reports, Mr. Dale Lusian was burglarizing vehicles in a tow yard and retreated to a trailer. A police service dog entered the trailer and was shot. A Special Weapons and Tactics (SWAT) unit took action using non-lethal force. The doors of the trailer were removed and Mr. Lusian was found dead in the back of the trailer with a gun near his body.

Autopsy showed an entrance gunshot wound of the left chest that traveled through and injured his heart, liver, and spleen. There was a large amount of blood in his left chest cavity. A bullet was retrieved in the left upper back. The range of fire was indeterminate due to the presence of clothing that can interfere with indicators of range of fire. There were two injuries on the face with bean bags containing alloy pellets partially embedded in them. There were fractures (broken bones) but no significant bleeding associated with them. Patterned injuries, some with associated puncture marks were consistent with injury from the service dog.

The gunshot wound caused his death.
Medical Investigator
Michelle Aurelius MD

Medical Investigator Trainee
Odey Ukpo MD

External exam date time: 3/22/2014 10:11:00 AM
Authority for examination: OMI
ID confirmed at time of exam: No
Means used to confirm identity: Fingerprints
Other verification means: 
Location of orange bracelet: Right wrist
Name on orange bracelet: Unidentified
Other name on orange bracelet: 
Location of green bracelet: Right wrist
Name on green bracelet: Unidentified
Other name on green bracelet: 
Hospital ID tags or bracelets? No
If yes specify stated name and location: 
Body length (cm): 179.00
Body weight (kgs): 78.00
BMI: 24.34

Development: Well-developed
Development comments: See evidence of injury.
Stature: Well-nourished
Age: Appears to be stated age
Anasarca: No
Edema localized: No
Dehydration: No
Skin comments: 
Scalp hair color: Brown
Scalp hair length: Moderate length
Eyes: Both eyes present
Irids: Brown
Eyes corneae: Translucent
Eyes sclerae: White
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: Normally formed

Facial comments:
See evidence of injury.

Facial hair: Goatee
Facial hair color: Brown
Maxillary dentition: Absent
Mandibular dentition: Natural
Condition of dentition: Poor
Neck: Unremarkable
Trachea midline: Yes
Chest development: Normal
Chest symmetrical: Yes
Chest diameter: Appropriate
Abdomen: Flat
Anus: Unremarkable
Back: Abnormal - See Evidence of Injury
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

<table>
<thead>
<tr>
<th>Tattoo(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tattoos present: Yes</td>
</tr>
<tr>
<td>Tattoo right arm: Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cosmetic Piercing(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cosmetic piercing present: No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scar(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scar(s) present: No</td>
</tr>
</tbody>
</table>
External exam comment:
The hands are within paper bags that are secured at the wrists with tape for preservation of possible evidence.
Medical Investigator
Michelle Aurelius MD

Medical Investigator Trainee
Odey Ukpo MD

Evidence of medical intervention: No

Report Tracking
Reported by: Odey Ukpo MD
Verified by: Michelle Aurelius MD on 5/23/2014 4:13:48 PM
Reviewed and approved by: Michelle Aurelius MD on 5/27/2014 3:55:59 PM
<table>
<thead>
<tr>
<th>Medical Investigator</th>
<th>Medical Investigator Trainee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michelle Aurelius MD</td>
<td>Odey Ukpo MD</td>
</tr>
</tbody>
</table>

- **External exam date:** 3/22/2014 10:12:00 AM
- **Body temperature:** Cool subsequent to refrigeration
- **Rigor mortis:** Fully fixed
- **Livor mortis - color:** Purple
- **Livor mortis - fixation (if applicable):** Fully Fixed
- **Livor mortis - position (if applicable):** Posterior

---

### Report Tracking

- **Reported by:** Odey Ukpo MD
- **Verified by:** Michelle Aurelius MD on 5/23/2014 4:13:30 PM
- **Reviewed and approved by:** Michelle Aurelius MD on 5/27/2014 3:55:59 PM
<table>
<thead>
<tr>
<th>#</th>
<th>Injury</th>
<th>Location</th>
<th>Injury Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Firearm injury</td>
<td>Chest</td>
<td>Entrance:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>On the left chest, 45 cm below the top of the head, 2.5 cm to the left of the anterior midline, and 5.5 cm superior and lateral to the xiphoid process, is an entrance gunshot wound consisting of a 0.9 cm round defect with an up to 0.1 cm wide circumferential pink marginal abrasion which is widest at 11 to 2 o’clock position. Thermal injury, pink discoloration from possible carbon monoxide, soot, unburned gunpowder particles and gunpowder stippling are not visible on the skin surrounding the wound.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Path:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>The hemorrhagic wound track sequentially perforates the skin, subcutaneous tissue, left anterior 4/5 rib, pericardium, right ventricle, interventricular septum, left ventricle, left liver lobe, stomach, spleen, and left posterior intercostal space. The missile comes to rest in the soft tissue of the left lower back.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Associated injuries include left hemothorax (1600 mL), a small left pneumothorax, and a mediastinal shift to the right. No soot or unburned gunpowder particles are visible on the hands nor on the gloves overlying the hands.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Recovery:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>On the subcutaneous tissue of the left upper back, 54 cm below the top of the head, 9.5 cm left of the posterior midline, and 25.5 cm superior to the superior border of the intergluteal cleft, is a 1.5 x 0.8 cm purple contusion. Deep to this contusion, in the skeletal muscle is a deformed 213 grain copper colored jacketed missile.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Trajectory:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>The wound track travels from the decedent’s front to back, left to right and downward.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Clothing:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>On the chest area of the shirt and corresponding to the entrance gunshot wound is a 1 x 0.7 cm defect with frayed edges and surrounding blood. Searing, soot, or unburned gunpowder particles are not visible on the fabric surrounding the defect.</td>
</tr>
</tbody>
</table>
2 Other Head Perimortem injuries:

Located on the left eyebrow/upper eyelid is a 3.5 x 3 cm laceration with no associated soft tissue hemorrhage with numerous spherical alloy beads embedded in the wound. There are left periorbital fractures.

Located on the left cheek is a cloth bean bag embedded in a 3.5 x 2.5 cm laceration with no associated soft tissue hemorrhage. Numerous spherical alloy beads are embedded in the wound. There are underlying complex left maxillary fractures associated with this wound. There are also left zygomatic fractures.

3 Other Extremity BLUNT FORCE AND ANIMAL INJURY:

Two parallel (spaced by 3.5 cm) black-red abrasions are on the left lateral bicep, proximal to the elbow each measuring 4 x 1 cm and 2 x 1 cm.

A triangular 1.5 x 1 cm red abrasion with 0.3 cm puncture wound at the base is on the left anterior forearm.

There are two parallel (spaced by 3.5 cm) black-red abrasions of the left medial bicep, proximal to the elbow each measuring 3.5 x 1 cm and 3 x 1 cm.

A 1.5 x 1 cm triangular red abrasion of the left anterior forearm has a 0.3 cm puncture wound at the 5 o'clock position of the wound with associated parallel (3 cm away) inferior 2 x 1 cm rectangular red abrasion.

A 1.5 x 1 cm red abrasion with central 0.3 x 0.2 cm puncture wound is on the left anterior wrist.
**Medical Investigator**
Michelle Aurelius MD

**Medical Investigator Trainee**
Odey Ukpo MD

<table>
<thead>
<tr>
<th>Date of Autopsy:</th>
<th>3/22/2014 8:31:00 AM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Internal Exam:</td>
<td>3/22/2014 10:59:00 AM</td>
</tr>
</tbody>
</table>

### BODY CAVITIES

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chest cavities examined:</td>
<td>Yes</td>
</tr>
<tr>
<td>Abdominal cavity examined:</td>
<td>Yes</td>
</tr>
<tr>
<td>See evidence of injury section</td>
<td>Yes</td>
</tr>
<tr>
<td>Organs in normal anatomic position</td>
<td>Yes</td>
</tr>
<tr>
<td>Diaphragm:</td>
<td>Intact</td>
</tr>
<tr>
<td>Serosal surfaces:</td>
<td>Smooth and glistening</td>
</tr>
<tr>
<td>Body cavity adhesions present:</td>
<td>No</td>
</tr>
<tr>
<td>Fluid accumulation present:</td>
<td>No</td>
</tr>
<tr>
<td>Fluid accumulation right chest cavity:</td>
<td>Yes</td>
</tr>
<tr>
<td>Fluid accumulation left chest cavity:</td>
<td>No</td>
</tr>
<tr>
<td>Fluid accumulation pericardial sac:</td>
<td>Yes</td>
</tr>
<tr>
<td>Fluid accumulation abdominal cavity:</td>
<td>No</td>
</tr>
<tr>
<td>Fluid accumulation pelvis:</td>
<td>No</td>
</tr>
<tr>
<td>Fluid accumulation comments:</td>
<td>See evidence of injury.</td>
</tr>
</tbody>
</table>

### HEAD

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brain examined:</td>
<td>Yes</td>
</tr>
<tr>
<td>See separate forensic neuropathology consultation report</td>
<td>No</td>
</tr>
<tr>
<td>See evidence of injury section:</td>
<td>Yes</td>
</tr>
<tr>
<td>See evidence of medical Intervention section:</td>
<td>No</td>
</tr>
<tr>
<td>See postmortem changes section:</td>
<td>No</td>
</tr>
<tr>
<td>Brain fresh (g):</td>
<td>1320</td>
</tr>
<tr>
<td>Brain fixed (g):</td>
<td></td>
</tr>
<tr>
<td>Facial skeleton:</td>
<td>See Evidence of Injury</td>
</tr>
<tr>
<td>Calvarium:</td>
<td>No fractures</td>
</tr>
<tr>
<td>Skull base:</td>
<td>No fractures</td>
</tr>
<tr>
<td>Skull comments:</td>
<td></td>
</tr>
<tr>
<td>Dura mater:</td>
<td>Unremarkable and without masses</td>
</tr>
<tr>
<td>Dural venous sinsuses:</td>
<td>Patent</td>
</tr>
<tr>
<td>Leptomeninges:</td>
<td>Thin and transparent</td>
</tr>
<tr>
<td></td>
<td>Absent</td>
</tr>
<tr>
<td>Internal Examination Case Number: 2014-01437</td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td></td>
</tr>
</tbody>
</table>

### Spinal Cord

- **Spinal cord examined:** No

### Middle Ears

- **Middle ears examined:** No

### Neck

- **Neck examined:** Yes
- **See Evidence of Injury section:** No
- **See Evidence of Medical Intervention section:** No
- **See Postmortem Changes section:** No

- **Subcutaneous soft tissues:** Unremarkable
- **Strap muscles:** Unremarkable
- **Jugular veins:** Unremarkable
- **Carotid arteries:** Unremarkable
- **Tongue:** Unremarkable
- **Epiglottis:** Unremarkable
- **Hyoid bone:** Unremarkable
- **Larynx:** Unremarkable
- **Palatine tonsils:** Unremarkable

### CARdiovascular SYSTEM

- **Heart examined:** Yes
- **See separate Cardiovascular Pathology report:** No
- **See Evidence of Injury section:** Yes
- **See Evidence of Medical Intervention section:** No
### Heart

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right coronary ostium position</td>
<td>Normal</td>
</tr>
<tr>
<td>Left coronary ostium position</td>
<td>Normal</td>
</tr>
<tr>
<td>Supply of the posterior myocardium</td>
<td>Right coronary artery</td>
</tr>
<tr>
<td>Heart fresh (g)</td>
<td>335</td>
</tr>
<tr>
<td>Heart fixed (g)</td>
<td></td>
</tr>
</tbody>
</table>

#### Coronary artery stenosis by atherosclerosis (in percent):

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right coronary ostium</td>
<td>0</td>
</tr>
<tr>
<td>Proximal third right coronary artery</td>
<td>0</td>
</tr>
<tr>
<td>Middle third right coronary artery</td>
<td>0</td>
</tr>
<tr>
<td>Distal third right coronary artery</td>
<td>0</td>
</tr>
<tr>
<td>Left coronary ostium</td>
<td>0</td>
</tr>
<tr>
<td>Left main coronary artery</td>
<td>0</td>
</tr>
<tr>
<td>Proximal third left anterior descending coronary artery</td>
<td>0</td>
</tr>
<tr>
<td>Middle third left anterior descending coronary artery</td>
<td>20</td>
</tr>
<tr>
<td>Distal third left anterior descending coronary artery</td>
<td>0</td>
</tr>
<tr>
<td>Proximal third left circumflex coronary artery</td>
<td>0</td>
</tr>
<tr>
<td>Middle third left circumflex coronary artery</td>
<td>0</td>
</tr>
<tr>
<td>Distal third left circumflex coronary artery</td>
<td>0</td>
</tr>
</tbody>
</table>

### Cardiac Chambers and Valves:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiac chambers</td>
<td>Unremarkable</td>
</tr>
<tr>
<td>Tricuspid valve</td>
<td>Unremarkable</td>
</tr>
<tr>
<td>Pulmonic valve</td>
<td>Unremarkable</td>
</tr>
<tr>
<td>Mitral valve</td>
<td>Unremarkable</td>
</tr>
<tr>
<td>Aortic valve</td>
<td>Unremarkable</td>
</tr>
<tr>
<td>Right ventricular myocardium</td>
<td>Other - See comments</td>
</tr>
<tr>
<td>Left ventricular myocardium</td>
<td>Other - See comments</td>
</tr>
<tr>
<td>Other myocardium comments</td>
<td></td>
</tr>
<tr>
<td>See evidence of injury</td>
<td></td>
</tr>
<tr>
<td>Atrial septum</td>
<td>Unremarkable</td>
</tr>
<tr>
<td>Ventricular septum</td>
<td>Unremarkable</td>
</tr>
<tr>
<td>Right ventricular free wall thickness</td>
<td>0.30 cm</td>
</tr>
<tr>
<td>Left ventricular free wall thickness</td>
<td>1.40 cm</td>
</tr>
<tr>
<td>Interventricular septum thickness</td>
<td>1.40 cm</td>
</tr>
</tbody>
</table>

### Aorta

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aorta examined</td>
<td>Yes</td>
</tr>
<tr>
<td>Great vessels examined:</td>
<td>Yes</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----</td>
</tr>
<tr>
<td>Orifices of the major vascular branches:</td>
<td>Patent</td>
</tr>
<tr>
<td>Coarctation:</td>
<td>No</td>
</tr>
<tr>
<td>Vascular dissection:</td>
<td>No</td>
</tr>
<tr>
<td>Aneurysm formation:</td>
<td>No</td>
</tr>
<tr>
<td>Aneurysm formation:</td>
<td>No</td>
</tr>
<tr>
<td>Complex atherosclerosis:</td>
<td>No</td>
</tr>
<tr>
<td>Other aortic pathology:</td>
<td>No</td>
</tr>
</tbody>
</table>

**Vena Cava**

<table>
<thead>
<tr>
<th>Great vessels examined:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vena cava and major tributaries:</td>
<td>Patent</td>
</tr>
</tbody>
</table>

**RESPIRATORY SYSTEM**

<table>
<thead>
<tr>
<th>Lungs examined:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>See separate Cardiovascular Pathology report:</td>
<td>No</td>
</tr>
<tr>
<td>See Evidence of Injury section:</td>
<td>No</td>
</tr>
<tr>
<td>See Evidence of Medical Intervention section:</td>
<td>No</td>
</tr>
<tr>
<td>See Postmortem Changes section:</td>
<td>No</td>
</tr>
<tr>
<td>Lung right (g):</td>
<td>705</td>
</tr>
<tr>
<td>Lung left (g):</td>
<td>310</td>
</tr>
<tr>
<td>Upper and lower airways:</td>
<td>Unobstructed, and the mucosal surfaces are smooth and yellow-tan</td>
</tr>
<tr>
<td>Pulmonary parenchyma color:</td>
<td>Dark red-purple</td>
</tr>
<tr>
<td>Pulmonary parenchyma congestion and edema:</td>
<td>Slight amounts of blood and frothy fluid</td>
</tr>
<tr>
<td>Pulmonary trunk:</td>
<td>Free of saddle embolus</td>
</tr>
<tr>
<td>Pulmonary artery thrombi:</td>
<td>None</td>
</tr>
<tr>
<td>Pulmonary artery atherosclerosis:</td>
<td>None</td>
</tr>
</tbody>
</table>

**HEPATOBLIARY SYSTEM**

<table>
<thead>
<tr>
<th>Liver examined:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Evidence of Injury section:</td>
<td>Yes</td>
</tr>
<tr>
<td>See Evidence of Medical Intervention section:</td>
<td>No</td>
</tr>
<tr>
<td>See Postmortem Changes section:</td>
<td>No</td>
</tr>
<tr>
<td>Liver (g):</td>
<td>1495</td>
</tr>
<tr>
<td>Bile vol (mL):</td>
<td></td>
</tr>
<tr>
<td>Gallstones autopsy:</td>
<td>No</td>
</tr>
<tr>
<td>Gallstones autopsy desc:</td>
<td></td>
</tr>
<tr>
<td>Hepatic parenchyma (color):</td>
<td>Red-brown</td>
</tr>
<tr>
<td>Hepatic parenchyma (texture):</td>
<td>Other - See comments</td>
</tr>
<tr>
<td>Hepatic vasculature:</td>
<td>Unremarkable and free of thrombus</td>
</tr>
<tr>
<td>Gallbladder:</td>
<td>Unremarkable</td>
</tr>
<tr>
<td>Gallstones:</td>
<td>None</td>
</tr>
<tr>
<td>Intrahepatic biliary tree:</td>
<td>Unremarkable</td>
</tr>
</tbody>
</table>
### Extrahepatic biliary tree:
Unremarkable

### GASTROINTESTINAL SYSTEM

<table>
<thead>
<tr>
<th>Alimentary tract examined:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Evidence of Injury section:</td>
<td>Yes</td>
</tr>
<tr>
<td>See Evidence of Medical Intervention section:</td>
<td>No</td>
</tr>
<tr>
<td>See Postmortem Changes section:</td>
<td>No</td>
</tr>
<tr>
<td>Stomach contents vol (mL):</td>
<td></td>
</tr>
<tr>
<td>Appendix found:</td>
<td>Yes</td>
</tr>
</tbody>
</table>

#### Esophagus

| Course: | Normal course without fistulae |
| Mucosa: | Gray-white, smooth and without lesions |

#### Stomach

| Mucosa: | Usual rugal folds |
| 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

<p>| 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): | 135 |
| Kidney left (g): | 135 |</p>
<table>
<thead>
<tr>
<th>Location</th>
<th>Bilaterally intrascrotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Other - See comments</td>
</tr>
<tr>
<td>Consistency</td>
<td>Other - See comments</td>
</tr>
<tr>
<td>Other testicle comments</td>
<td>Not examined</td>
</tr>
</tbody>
</table>

### Prostate Gland

<table>
<thead>
<tr>
<th>Size</th>
<th>Unremarkable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consistency</td>
<td>Homogenous</td>
</tr>
<tr>
<td>Other prostate gland comments:</td>
<td></td>
</tr>
</tbody>
</table>

### Spleen

<table>
<thead>
<tr>
<th>Spleen (g)</th>
<th>110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spleen parenchyma</td>
<td>Moderately firm</td>
</tr>
<tr>
<td>Spleen capsule</td>
<td>Other - See comments</td>
</tr>
<tr>
<td>Spleen white pulp</td>
<td>Prominent</td>
</tr>
<tr>
<td>Spleen comments</td>
<td>See evidence of injury.</td>
</tr>
</tbody>
</table>

### Bone Marrow

| Color                                                      | Red-brown, homogenous and ample |

### Lymph Nodes

| Regional adenopathy | No adenopathy |

### Thymus

<table>
<thead>
<tr>
<th>Thymus (g)</th>
<th>Absent (involution by adipose tissue)</th>
</tr>
</thead>
</table>

### 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: Homogenous

Adrenal Glands

Adrenal right (g):
Adrenal left (g):
Size: Normal
Parenchyma: Yellow cortices and gray medullae with 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: See Evidence of Injury
Musculature: See Evidence of Injury
Subcutaneous soft tissues: See Evidence of Injury

ADDITIONAL COMMENTS

Report Tracking
Reported by: Odey Ukpo MD
Verified by: Michelle Aurelius MD on 5/27/2014 3:38:02 PM
Reviewed and approved by: Michelle Aurelius MD on 5/27/2014 3:55:59 PM
Medical Investigator
Michelle Aurelius MD

Medical Investigator Trainee
Odey Ukpo MD

Microscopic description:
Heart (left ventricle, interventricular septum, apex)

Sections of the heart show some myocyte nuclei that are enlarged and irregular. Fibrosis is patchy and mild. There is an area of hemorrhage.

Lungs

Sections of the right (A2) and left (A3) lungs show patchy intra alveolar pigment laden macrophages, mildly dilated alveolar ducts, and interstitial expansion by fibrosis and fibroblast. Congestion is prominent in the right lung.

Kidneys

Sections of the right (A1) and left (A2) kidneys show no significant histopathologic diagnosis.

Liver

Section of the liver shows patchy mild periportal inflammation consisting predominantly of lymphocytes. There is yellow brown centrilobular intracytoplasmic pigment.

Skin, gunshot wound of chest

Sections of the skin from the gunshot wound of chest show dermal hemorrhage extending to the subcutis. In the subcutis is a cluster of purple amorphous material that appears to be cartilage. So soot is seen.

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

<table>
<thead>
<tr>
<th>Block</th>
<th>Tissue Location</th>
<th>Description</th>
<th>Stain</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Heart, right kidney</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A2</td>
<td>Right lung, left kidney</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A3</td>
<td>Liver, left lung</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A4</td>
<td>Skin, gunshot wound of chest</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Report Tracking

Reported by: Odey Ukpo MD
Verified by: Michelle Aurelius MD on 5/23/2014 4:13:48 PM
Reviewed and approved by: Michelle Aurelius MD on 5/27/2014 3:55:59 PM
Three radiographs (anterior/posterior of chest, anterior/posterior of head, and lateral of head) are reviewed and demonstrate scattered radiopaque pellets on the chest, neck, and head with two clusters on the left face consistent with bean bag pellets.

A retained radiopaque missile is in the left chest.
A full body postmortem computed tomography scan is reviewed by the forensic pathologist. There are radiopaque round pellets on the body predominantly overlying the skin of the upper arms, chest, neck, back and head.

There is a left hemothorax and a small left pneumothorax with a mediastinal shift to the right. A radiopaque missile is in the soft tissue of the left back posterior to the left 11th rib.

Associated with the bean bag pellets clustered on the left face are fractures of the left periorbit, left zygomatic bone, and left maxilla.
### Morphology technician(s) present

<table>
<thead>
<tr>
<th>Yellow Sheet</th>
<th>Morphology Technician</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification</td>
<td>Ashley Dornedon</td>
</tr>
<tr>
<td>Autopsy</td>
<td>Ashley Dornedon</td>
</tr>
<tr>
<td>Evidence</td>
<td>Ashley Dornedon</td>
</tr>
<tr>
<td>Evidence</td>
<td>Ashley Dornedon</td>
</tr>
<tr>
<td>Radiology</td>
<td>Ashley Dornedon</td>
</tr>
<tr>
<td>Retention</td>
<td>Ashley Dornedon</td>
</tr>
<tr>
<td>Toxicology</td>
<td>Ashley Dornedon</td>
</tr>
<tr>
<td>Toxicology</td>
<td>Ashley Dornedon</td>
</tr>
<tr>
<td>Toxicology</td>
<td>Ashley Dornedon</td>
</tr>
<tr>
<td>LabOther</td>
<td>Ashley Dornedon</td>
</tr>
<tr>
<td>Attendees</td>
<td>Ashley Dornedon</td>
</tr>
</tbody>
</table>

### Morphology technician supervisor(s) present

<table>
<thead>
<tr>
<th>Yellow Sheet</th>
<th>Morphology Technician Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>LabOther</td>
<td>Erika Cavalier</td>
</tr>
<tr>
<td>Attendees</td>
<td>Monica Mondragon</td>
</tr>
<tr>
<td>Identification</td>
<td>Monica Mondragon</td>
</tr>
<tr>
<td>Autopsy</td>
<td>Stephen Adams</td>
</tr>
<tr>
<td>Evidence</td>
<td>Monica Mondragon</td>
</tr>
<tr>
<td>Radiology</td>
<td>Monica Mondragon</td>
</tr>
<tr>
<td>Retention</td>
<td>Monica Mondragon</td>
</tr>
<tr>
<td>Toxicology</td>
<td>Erika Cavalier</td>
</tr>
</tbody>
</table>
Autopsy attendees

Other morphology technicians present:
Monica Mondragon.

Law enforcement officers present:
Jodie Gonterman- APD detective
Ross Vanderlin- crime lab

Specimens obtained for toxicology testing

<table>
<thead>
<tr>
<th>Specimen</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use antemortem specimens for testing:</td>
<td>No</td>
</tr>
<tr>
<td>Femoral blood collected:</td>
<td>Yes</td>
</tr>
<tr>
<td>Heart blood collected:</td>
<td>No</td>
</tr>
<tr>
<td>Blood other collected:</td>
<td>Yes</td>
</tr>
<tr>
<td>Preserved vitreous collected:</td>
<td>Yes</td>
</tr>
<tr>
<td>Un-preserved vitreous collected:</td>
<td>Yes</td>
</tr>
<tr>
<td>Urine collected:</td>
<td>Yes</td>
</tr>
<tr>
<td>Bile collected:</td>
<td>No</td>
</tr>
<tr>
<td>Gastric contents collected:</td>
<td>No</td>
</tr>
<tr>
<td>Kidney tissue collected:</td>
<td>No</td>
</tr>
<tr>
<td>Liver tissue collected:</td>
<td>No</td>
</tr>
<tr>
<td>Brain tissue collected:</td>
<td>No</td>
</tr>
<tr>
<td>Muscle tissue collected:</td>
<td>No</td>
</tr>
<tr>
<td>Other tissue collected:</td>
<td>No</td>
</tr>
</tbody>
</table>
### Specimens obtained for laboratory testing

<table>
<thead>
<tr>
<th>Specimen</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIV serology</td>
<td>No</td>
</tr>
<tr>
<td>HIV spin and store</td>
<td>Yes</td>
</tr>
<tr>
<td>HCV/HBV serology</td>
<td>No</td>
</tr>
<tr>
<td>Influenza serology</td>
<td>No</td>
</tr>
<tr>
<td>Other serology</td>
<td>No</td>
</tr>
<tr>
<td>Freezer protocol</td>
<td>No</td>
</tr>
<tr>
<td>DNA card</td>
<td>Yes</td>
</tr>
<tr>
<td>Metabolic screen</td>
<td>No</td>
</tr>
<tr>
<td>Cytogenetics</td>
<td>No</td>
</tr>
<tr>
<td>Med-X protocol</td>
<td>No</td>
</tr>
<tr>
<td>Urine dipstick</td>
<td>No</td>
</tr>
<tr>
<td>Blood cultures (bacterial)</td>
<td>No</td>
</tr>
<tr>
<td>Lung cultures (bacterial)</td>
<td>No</td>
</tr>
<tr>
<td>CSF culture (bacterial)</td>
<td>No</td>
</tr>
<tr>
<td>Spleen culture (bacterial)</td>
<td>No</td>
</tr>
<tr>
<td>Stool culture (bacterial)</td>
<td>No</td>
</tr>
<tr>
<td>Other bacterial culture (specify)</td>
<td>No</td>
</tr>
<tr>
<td>Mycobacterial culture (lung)</td>
<td>No</td>
</tr>
<tr>
<td>Mycobacterial culture (other)</td>
<td>No</td>
</tr>
<tr>
<td>Viral Cultures</td>
<td>No</td>
</tr>
</tbody>
</table>

### Approach to autopsy dissection

<table>
<thead>
<tr>
<th>Technique</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rokitansky evisceration</td>
<td>No</td>
</tr>
<tr>
<td>Virchow evisceration</td>
<td>Yes</td>
</tr>
<tr>
<td>Modified evisceration</td>
<td>No</td>
</tr>
</tbody>
</table>
### Special autopsy techniques

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

### Tissues retention

<table>
<thead>
<tr>
<th>Tissue</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock jar with standard tissue retention</td>
<td>Yes</td>
</tr>
<tr>
<td>Rib segment</td>
<td>Yes</td>
</tr>
<tr>
<td>Pituitary gland</td>
<td>Yes</td>
</tr>
<tr>
<td>Breast tissue (women only)</td>
<td>No</td>
</tr>
<tr>
<td>Brain retention</td>
<td>No</td>
</tr>
<tr>
<td>Spinal cord retention</td>
<td>No</td>
</tr>
<tr>
<td>Cervical spine retention</td>
<td>No</td>
</tr>
<tr>
<td>Heart retention</td>
<td>No</td>
</tr>
<tr>
<td>Heart-lung block retention</td>
<td>No</td>
</tr>
<tr>
<td>Rib cage retention</td>
<td>No</td>
</tr>
<tr>
<td>Long bone retention</td>
<td>No</td>
</tr>
<tr>
<td>Other retention, specify</td>
<td></td>
</tr>
</tbody>
</table>

### Disposition of tissues retained for extended examination

**Specimen outcome:** Not applicable; no tissues were retained for extended examination.
<table>
<thead>
<tr>
<th>Evidence collected</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBI blood tube:</td>
</tr>
<tr>
<td>Blood spot card:</td>
</tr>
<tr>
<td>APD blood card:</td>
</tr>
<tr>
<td>Thumbprint:</td>
</tr>
<tr>
<td>Fingerprints:</td>
</tr>
<tr>
<td>Palmprints:</td>
</tr>
<tr>
<td>Print hold:</td>
</tr>
<tr>
<td>Oral swab:</td>
</tr>
<tr>
<td>Vaginal swab:</td>
</tr>
<tr>
<td>Anal swab:</td>
</tr>
<tr>
<td>Other swab:</td>
</tr>
<tr>
<td>Fingernails:</td>
</tr>
<tr>
<td>Scalp hair:</td>
</tr>
<tr>
<td>Pubic hair:</td>
</tr>
<tr>
<td>Pubic hair combing:</td>
</tr>
<tr>
<td>Projectile(s):</td>
</tr>
<tr>
<td>Retain clothing:</td>
</tr>
<tr>
<td>Retain valuables:</td>
</tr>
<tr>
<td>Retain trace evidence:</td>
</tr>
<tr>
<td>Retain body bag:</td>
</tr>
<tr>
<td>Retain hand bags:</td>
</tr>
<tr>
<td>Ligature:</td>
</tr>
<tr>
<td>Other evidence retained:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Personal effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of scene photos produced by the OMI</td>
</tr>
<tr>
<td>Scene Photos:</td>
</tr>
<tr>
<td>55</td>
</tr>
<tr>
<td>Number of autopsy photos produced by the OMI</td>
</tr>
<tr>
<td>Autopsy Photos:</td>
</tr>
<tr>
<td>125</td>
</tr>
</tbody>
</table>

Procedural Notes Report  
Page 5  
<table>
<thead>
<tr>
<th>Property Type</th>
<th>Property Description</th>
<th>Property Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missile</td>
<td>Describe</td>
<td>@213.0 GN from (L) upper back</td>
</tr>
<tr>
<td>Missile</td>
<td>Describe</td>
<td>x20 pellets from body bag @ 17.2 GN</td>
</tr>
<tr>
<td>Missile</td>
<td>Describe</td>
<td>x1 bean bag + pellets from left eye</td>
</tr>
<tr>
<td>Missile</td>
<td>Describe</td>
<td>x1 bean bag from brown bag @ 609.6 GN</td>
</tr>
<tr>
<td>Hair</td>
<td>Scalp</td>
<td>n/a</td>
</tr>
<tr>
<td>Blood</td>
<td>FTA Blood Card</td>
<td>pleural blood</td>
</tr>
<tr>
<td>Fingernail Clipping</td>
<td>Left Hand</td>
<td>+clipper</td>
</tr>
<tr>
<td>Fingernail Clipping</td>
<td>Right Hand</td>
<td>+clipper</td>
</tr>
<tr>
<td>Valuables</td>
<td>Wallet</td>
<td>blk (CBI)</td>
</tr>
<tr>
<td>Valuables</td>
<td>Social Security Card</td>
<td>(CBI)</td>
</tr>
<tr>
<td>Valuables</td>
<td>Credit Card(s)</td>
<td>x1 visa, x1 discover (CBI)</td>
</tr>
<tr>
<td>Valuables</td>
<td>Misc cards &amp; papers</td>
<td>n/a (CBI)</td>
</tr>
<tr>
<td>Valuables</td>
<td>Wallet</td>
<td>blk</td>
</tr>
<tr>
<td>Valuables</td>
<td>Watch</td>
<td>blk analog</td>
</tr>
<tr>
<td>Valuables</td>
<td>Bracelet</td>
<td>wm w/ blue stones</td>
</tr>
<tr>
<td>Valuables</td>
<td>Social Security Card</td>
<td>n/a</td>
</tr>
<tr>
<td>Valuables</td>
<td>Driver's License</td>
<td>NM</td>
</tr>
<tr>
<td>Valuables</td>
<td>Key</td>
<td>w/ 7 rings, 3 keychain, x2 tags + wristlet</td>
</tr>
<tr>
<td>Valuables</td>
<td>Misc cards &amp; papers</td>
<td>n/a</td>
</tr>
<tr>
<td>Valuables</td>
<td>Hair tie</td>
<td>n/a</td>
</tr>
<tr>
<td>Valuables</td>
<td>Lighter</td>
<td>(x1 w/ case)</td>
</tr>
<tr>
<td>Valuables</td>
<td>Eyeglasses</td>
<td>n/a</td>
</tr>
<tr>
<td>Valuables</td>
<td>Pocket knife</td>
<td>n/a</td>
</tr>
<tr>
<td>Valuables</td>
<td>Paper money</td>
<td>$117.00</td>
</tr>
<tr>
<td>Valuables</td>
<td>Other</td>
<td>pack of cigarettes</td>
</tr>
<tr>
<td>Valuables</td>
<td>Other</td>
<td>flashlight</td>
</tr>
<tr>
<td>Valuables</td>
<td>Other</td>
<td>brown bag</td>
</tr>
<tr>
<td>Valuables</td>
<td>Other</td>
<td>pen</td>
</tr>
<tr>
<td>Valuables</td>
<td>Other</td>
<td>misc. plastic piece</td>
</tr>
<tr>
<td>Valuables</td>
<td>Other</td>
<td>candy</td>
</tr>
<tr>
<td>Valuables</td>
<td>Other</td>
<td>wm piece w/ wm charm + beads</td>
</tr>
<tr>
<td>Valuables</td>
<td>Other</td>
<td>protein bar</td>
</tr>
<tr>
<td>Fingerprints</td>
<td>Describe</td>
<td>10 prints</td>
</tr>
<tr>
<td>Palm Prints</td>
<td>Describe</td>
<td>Left and right palms</td>
</tr>
<tr>
<td>Valuables</td>
<td>Coins</td>
<td>$08.32</td>
</tr>
</tbody>
</table>

**Clothing**

Procedural Notes Report

Page 6


Death Investigation Report page 27 of 28
<table>
<thead>
<tr>
<th>Property Type</th>
<th>Property Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clothing</td>
<td>Jacket</td>
</tr>
<tr>
<td>Clothing</td>
<td>Shirt</td>
</tr>
<tr>
<td>Clothing</td>
<td>Belt</td>
</tr>
<tr>
<td>Clothing</td>
<td>Pants</td>
</tr>
<tr>
<td>Clothing</td>
<td>Underpants</td>
</tr>
<tr>
<td>Clothing</td>
<td>Boots</td>
</tr>
<tr>
<td>Clothing</td>
<td>Socks</td>
</tr>
<tr>
<td>Clothing</td>
<td>Gloves</td>
</tr>
<tr>
<td>Clothing</td>
<td>Other</td>
</tr>
<tr>
<td>Clothing</td>
<td>Other</td>
</tr>
</tbody>
</table>