

**OFFICE OF THE MEDICAL EXAMINER
DISTRICT NINE
2350 E. Michigan Street
Orlando, Florida 32806-4939**

REPORT OF AUTOPSY

DECEDENT: AKYRA MURRAY

CASE NUMBER: ME 2016-000925

MANNER OF DEATH: Homicide

IDENTIFIED BY: Photo ID

AGE: 18 years

SEX: Female

RACE: Black

DATE OF DEATH: June 12, 2016

DATE/TIME OF AUTOPSY: June 13, 2016 at 11:50 am

Gary Lee Utz 6/15/16

PERFORMED BY: Gary Lee Utz, MD, Deputy Chief Medical Examiner

CAUSE OF DEATH: Multiple gunshot wounds

AUTOPSY FINDINGS

- I. Gunshot wound of head, indeterminate range entering left side of face, without exit:
 - A. Perforation of skull and brain
 - B. Subarachnoid hemorrhage
 - C. Cerebral cortical contusion
 - D. Cerebral edema
 - E. Basilar skull fractures
 - F. Projectile and jacketing recovered from basilar skull

- II. Through and through gunshot wound of left upper extremity:
 - A. Indeterminate range
 - B. Entrance left anterior upper arm
 - C. Exit lateral left upper arm near elbow

continued...

MURRAY, AKYRA
ME 2016-000925
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- III. Through and through gunshot wound of right upper extremity:
- A. Indeterminate range
 - B. Entrance lateral right upper arm
 - C. Exit medial right upper arm

TOXICOLOGY ANALYSIS: See laboratory report.

CONCLUSION: In consideration of the circumstances surrounding the death, and after examination of the body, and review of the available investigative records, it is my opinion that the death of Akyra Murray, an 18 year old woman found deceased at the scene of a mass shooting, is due to multiple gunshot wounds. The deceased sustained a single gunshot wound to the head, as well as two through and through gunshot wounds of the upper extremities.

The manner of death is homicide.

POSTMORTEM EXAMINATION OF THE BODY OF AKYRA MURRAY

A postmortem examination of the body of a white woman identified as Akyra Murray is performed pursuant to Florida statute 406.11 by Gary Lee Utz, MD, Deputy Chief Medical Examiner, District Nine at the Orange County Medical Examiner facility, Orlando, Florida on June 13, 2016 at 11:50 am.

IDENTIFICATION: The body of Akyra Murray is identified by Her Pennsylvania Driver's License #31772456. The positive identification is made by Special Agent Walsh who verified the ID on June 12, 2016, at the Orange County Medical Examiner facility.

CLOTHING AND VALUABLES: The body is received clad in a crop top shirt, brassiere, synthetic breast enhancements, shorts, panties, and sandals. A white metal ring with multiple clear stones is present on the right fourth digit. A white metal hoop earring is present in the right earlobe. A similar appearing hoop earring is present tangled within the hair. Personal effects are documented on the Body and Personal Effects Record. Examination of the clothing reveals no evidence of close range firing nor defects associated with the gunshot wounds.

EXTERNAL EXAMINATION

The body is that of a well-developed, well-nourished, black woman that weighs 193 pounds, measures 67 inches in length, and appears compatible with the stated age of 18 years. The body is cool to touch. Rigor mortis is fully fixed in the extremities and jaw. Minimal blanching purple livor mortis extends over the posterior surface of the body, except in the areas exposed to pressure.

The scalp hair is dark brown, tightly curled, and arranged in corn rows. A synthetic weave is attached. The irides are brown; the corneas are clear. The sclerae and conjunctivae are pale. A small amount of bloody fluid is present within the nostrils. There is no injury identified. The oral cavity is free of blood and the mucosae are without evidence of trauma.

The teeth are natural and in good repair. The neck is without masses, and the larynx is in the midline. The thorax is well-developed and symmetrical.

The breasts are normally developed and symmetrical, without palpable masses.

The abdomen is flat. The external genitalia are those of a normal adult woman.

The anus and back are unremarkable. The upper and lower extremities are well-developed and symmetrical, without absence of digits.

A small amount of white particulate debris is adherent to the body and clothing.

IDENTIFYING MARKS AND SCARS: A large tattoo is identified in the upper back. This is documented photographically. A short linear scar is present on the lateral aspect of the right upper arm above the elbow.

EVIDENCE OF MEDICAL INTERVENTION: None.

EVIDENCE OF INJURY

Head and Neck: A gunshot wound of entrance is identified in the left side of the face at approximately the level of the jaw centered 2 inches directly below the left external auditory meatus and 6 ½ inches below the top of the head. The wound is round, ½ inch in diameter with circumferential marginal abrasion. No soot or stippling is present. Abrasion is most prominent at the 5 o'clock position.

The projectile travels left to right and slightly upward with little frontward or backward deviation with respect to the coronal plane. The projectile traverses the soft tissue at the base of the skull, enters the cranial vault posterior to the left temporal ridge where it grazes the inferior aspect of the cerebellum. A deformed, partially jacketed lead projectile and a fragment of projectile jacketing are recovered from the basilar skull. They are retained, labeled "projectile from head". Associated with this gunshot wound is cerebral cortical contusion over the inferior aspect of the left temporo-occipital lobe, and patchy subarachnoid hemorrhage over the basilar brain. There are slightly displaced fractures extending through the left petrous ridge, through the left middle cranial fossa, and into the left orbital plate. There is associated cerebral edema with flattening of the gyri, narrowing of the sulci, and fullness of the cerebellar tonsils.

Upper and Lower Extremities: A through and through gunshot wound is identified in the left upper extremity. The entrance wound is in the anterior left upper arm approximately 1 ½ inches above the level of the left nipple and 14 inches below the top of the head. It is also 7 inches to the left of the midline.

The wound is irregular, $\frac{3}{4} \times \frac{1}{4}$ inch circumferential marginal abrasion most prominent at the superior margin. The projectile travels downward, slightly toward the rear. An exit wound is identified in the posterior left upper arm, 2 inches above the level of the elbow, and 7 inches below the level of the entrance wound. The wound is slit-like, $\frac{1}{4} \times \frac{1}{8}$ inch without soot, stippling, or marginal abrasion. No projectile is recovered.

A through and through gunshot wound of the right upper extremity is identified. The entrance wound is in the lateral aspect of the right upper arm centered approximately 1 inch below the level of right nipple and 16 inches below the top of the head. The wound is round, $\frac{1}{4}$ inch in diameter with minimal circumferential marginal abrasion. No soot or stippling is seen. The projectile travels right to left and slightly upward.

A gunshot wound of exit is in the medial aspect of the right upper arm centered 15 inches below the top of the head. The wound is oval, $\frac{3}{8} \times \frac{1}{4}$ inch with minimal marginal abrasion. No soot or stippling is seen. No projectile is recovered.

Neither of the gunshot wounds of the upper extremities results in fractures or apparent large vessel injury.

On the anteromedial aspect of the left lower leg is a $\frac{1}{4} \times \frac{1}{8}$ inch superficial laceration. Anterior to this is a superficial abrasion. No projectile is associated with either of these wounds.

INTERNAL EXAMINATION

BODY CAVITIES: No adhesions or abnormal collections of fluid are within any of the body cavities. All body organs are present in normal anatomical position.

CARDIOVASCULAR SYSTEM: The heart weighs 360 grams. The pericardial surfaces are smooth, glistening and intact; the pericardial sac contains a physiologic amount of fluid. The coronary arteries arise normally, follow the usual distribution, and are widely patent, without atherosclerosis or thrombosis. The chambers and valves exhibit the usual size-position relationships and are unremarkable; the atrial and ventricular septa are intact. The myocardium is red-brown and firm, without focal abnormalities. The aorta and its major branches arise normally, follow the usual courses, and are widely patent, without

atherosclerosis. The vena cava and its tributaries return to the heart in the usual distribution and are free of thrombi.

RESPIRATORY SYSTEM: The right and left lungs weigh 470 grams and 350 grams, respectively. The upper airway is clear of debris and foreign material; the mucosa is yellow-tan and smooth. The pleural surfaces are smooth, glistening and intact. The pulmonary parenchyma exudes slight to moderate amounts of blood and frothy fluid and is without focal lesions. The pulmonary vasculature is unremarkable.

HEPATOBIILIARY SYSTEM: The liver weighs 1330 grams. The hepatic capsule is smooth, glistening and intact, covering a red-brown parenchyma without focal lesions noted. The gallbladder contains approximately 5 milliliters of dark green, slightly mucoid bile; the mucosa is velvety and unremarkable. The extrahepatic biliary tree is patent, without evidence of calculi.

ENDOCRINE SYSTEM: The pituitary, thyroid and adrenal glands are unremarkable. The pancreas has the usual yellow-tan, lobulated appearance and the ducts are clear.

DIGESTIVE SYSTEM: The esophagus is lined by a gray-white, smooth mucosa. The gastric mucosa is arranged in the usual rugal folds and the lumen contains 250 milliliters of thick tan liquid and digesting food particles. The small and large intestines are unremarkable. The appendix is present.

GENITOURINARY SYSTEM: The right and left kidneys weigh 100 grams and 110 grams, respectively. The renal capsules are smooth, thin and semitransparent, and strip with ease from the underlying smooth, red-brown, firm, 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. The urinary bladder contains approximately 100 milliliters of clear yellow urine; the mucosa is gray-tan and smooth.

The uterus, fallopian tubes, and vagina are unremarkable. The left ovary contains a 2.5 cm blood-filled cyst. The right ovary is unremarkable. The breast tissue has the usual fibrous and adipose mixture, without focal abnormalities.

RETICULOENDOTHELIAL SYSTEM: The spleen weighs 70 grams and has a smooth intact capsule covering a deep red-purple, moderately firm parenchyma; the lymphoid follicles are unremarkable. The regional lymph nodes appear

normal. The exposed bone marrow is red-purple and homogeneous, without focal abnormalities.

MUSCULOSKELETAL SYSTEM: Except as noted otherwise, the bony framework, supporting musculature, and soft tissues are not unusual.

NECK: Examination of the soft tissues of the neck, including strap muscles, thyroid gland, and large vessels, reveals no abnormalities. The hyoid bone and larynx are intact.

HEAD AND CENTRAL NERVOUS SYSTEM: The brain weighs 1290 grams. There is disruption of the basilar dura associated with the gunshot wound previously described. The leptomeninges are generally thin and delicate. The cerebral hemispheres are symmetrical. There is generalized cerebral edema with flattening of the gyri, narrowing of the sulci, and fullness of the cerebellar tonsils. Coronal sections through the cerebral hemispheres reveal the previously described cortical contusion but no other lesions within the cortex, subcortical white matter, or deep parenchyma of either hemisphere. The ventricles are normal in caliber. Sections through the brainstem and cerebellum reveal no additional abnormalities.

GLU/crg

Patient: MURRAY, AKYRA
Age: 18 Sex: F
Client Patient ID: 9-16-925
Account#: VX82950
Physician: UTZ, GARY
Client: DISTRICT 9 MEDICAL EXAMINER MISC
TOXICOLOGY

Specimen Collected :06/13/2016

Lab Order No: 661401239

Reg Date: 06/14/16

Test Name	Result	Units	Cutoff/Reporting Limits
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VOLATILE PANEL - VOLP
SPECIMEN TYPE
HEART BLOOD

ETHANOL	0.035	g/dL	0.010
ACETONE	NONE DETECTED	mg/dL	7.5
METHANOL	NONE DETECTED	mg/dL	15.0
ISOPROPANOL	NONE DETECTED	mg/dL	15.0

Analysis by Gas Chromatography (GC) Headspace Injection
BLOOD DRUG SCREEN - BDSME
SPECIMEN TYPE
HEART BLOOD
GC/MS
CAFFEINE
LC/MS/MS
CAFFEINE, CAFFEINE METABOLITE
BLOOD IMMUNOASSAY SCREEN

AMPHETAMINES	NEGATIVE	mg/L	0.100
BARBITURATES	NEGATIVE	mg/L	0.100
BENZODIAZEPINES	NEGATIVE	mg/L	0.050
BUPRENORPHINE	NEGATIVE	mg/L	0.001
CANNABINOIDS	NEGATIVE	mg/L	0.050
COCAINE METABOLITE	NEGATIVE	mg/L	0.100
FENTANYL	NEGATIVE	mg/L	0.001
OPIATES	NEGATIVE	mg/L	0.050
SALICYLATES	NEGATIVE	mg/L	50.0

Specimens were intact upon receipt. Chain of custody, specimen security and integrity has been maintained. Testing has been performed as requested

Reviewed by:



Date:

7/19/16

FINAL REPORT - THIS COMPLETES REPORTING ON THIS CASE
TOXICOLOGY REPORT
MURRAY, AKYRA

ME16-00925

Murray, Akyra

18 Years - F

6/12/2016

INJURY CLARIFICATION

