North Carolina Department of Health and Human Services
Office of the Chief Medical Examiner
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REPORT OF AUTOPSY EXAMINATION

DECEDENT

Document Identifier B201604915
Autopsy Type ME Autopsy
Name Frank Nathaniel Clark III
Age 34 yrs
Race Black
Sex M

AUTHORIZATION

Authorized By Craig Nelson MD **Received From** Durham

ENVIRONMENT

Date of Exam 11/23/2016 **Time of Exam** 09:57
Autopsy Facility Office of the Chief Medical Examiner **Persons Present** Ms. Rachel Murphy; Dr. Michelle Aurelius; SBI Agent Thompson

CERTIFICATION

Cause of Death

GUNSHOT WOUNDS OF HEAD AND RIGHT THIGH

The facts stated herein are correct to the best of my knowledge and belief.
Digitally signed by
Craig Nelson MD 30 December 2016 14:50

DIAGNOSES

I. Gunshot wounds of head and right thigh.
- A. Penetrating gunshot wound of head.
  1. Entrance: left parietal scalp without soot, but with possible stippling.
  2. Fragment lodgements: underlying scalp.
  3. Bullet base lodgement: posterior neck inferior to skull base.
  4. Fragmented bullet recovered.
  5. Path: perforation of skull and brain.
  6. Direction: rightward, downward, and slightly backwards.
- B. Perforating gunshot wound of right thigh.
  1. Entrance: posterolateral proximal right thigh without soot or stippling.
  2. Exit: anteromedial proximal right thigh.
  3. Bullet: deformed bullet recovered under right thigh.
  4. Path: perforation of right thigh, right femur, and right femoral artery and vein.
  5. Direction: frontward, leftward, and minimally downward.

II. Left anterior descending coronary artery atherosclerosis, moderate.

IDENTIFICATION

Body Identified By
Papers/ID Tag

EXTERNAL DESCRIPTION

Length 69.5 inches
Weight 149 pounds
Body Condition Intact

The body is received in a zipped body bag. The zipper pulls are closed with a wire with an attached tag bearing the decedent's name and date of birth of "5/1/1982". On the left wrist is a yellow plastic tag bearing the decedent's name and date of birth with "11/22/16 S/A J.D. Karie". Also on the tag is "2016-02696". The tag is removed and placed with the decedent's clothing for evidence collection.

The body is on top of a white sheet, which is knotted over the lower legs.

Clothes and possessions:

1. Black insulated vest. The vest is blood-stained, but has no apparent defects. In the right front pocket is a rolled butt. In an inside pocket is a set of white metal "brass" knuckles.
2. Black and white windbreaker printed with "Dope Sport". The hood is blood-stained. In the inside left pocket is an opened pack of "Dutch Masters" cigarillos.
3. On the neck, a broken yellow metal chain and an intact yellow metal chain with larger links.
4. On the left wrist, a yellow metal analog watch.
5. Cut, yellow thermal shirt. It is focally blood-stained; no defects are seen.
6. Cut, white t-shirt. It is blood-stained; no defects are seen.
7. Tan leather work boots.
8. On each foot, one gray and white sock.
9. Pulled below the knees, blue denim jeans. The right leg has been cut. The jeans have a black, leather-like belt with a white metal buckle. In the right watch pocket is a condom. In the right front pocket are four $5 bills and six $1 bills. In the left rear pocket is a blood-stained pack of Newport cigarettes, which has been opened and partly used. The seat and upper legs of the jeans are blood-soaked, and blood clots are in the jeans. No defects other than the cut are seen.
10. Cut, blue shorts with a waistband tie. They are blood-soaked and contain blood clots. The crotch has an irregular, ragged defect. In the left pocket is a plastic bag that contains a green leafy substance.
11. Cut, gray boxer-brief underwear. They are blood-soaked. No defects other than the cut are seen.

Evidence of medical therapy:

1. A blood-soaked absorbent pad overlies a wound, described later, on the medial aspect of the right thigh.
2. Defibrillator pads are on the chest.

The body is that of a normally developed, well-nourished, dark-complexioned male appearing consistent with the listed age. The length is 69.5" and the weight is 149 lbs as received. The body is cold, well-preserved, and has not been embalmed. Rigidity is fully developed in the jaw and extremities. Lividity is somewhat difficult to appreciate in the setting of the darker skin pigmentation, but appears to be posterior, blanching, and pink-purple, albeit faint. Smeared, dried blood is on the legs.

The frontal scalp is bald; the remaining scalp hair is closely shaved. A thin mustache measures up to 3/16" in length and a mid chin beard up to 1 1/8" in length. The ears are normally formed and contain dried blood. The orbits are edematous. The irides are brown, the corneas clear, and the bulbar and palpebral conjunctivae free of petechiae. The sclerae are white. The nose is intact and the nares unobstructed, although the left naris contains some dried blood. The lips are normally formed. The anterior teeth are natural and in good condition; a yellow metal covering overlies the lower central six teeth. The superior and inferior frenula are intact. There is a laceration of the lower lip described later. The neck is normally formed and symmetrical.

The chest is normally formed, symmetrical, and without palpable masses. The abdomen is flat, soft, and without palpable masses. The external genitalia are those of a circumcised adult male with the testes palpable in the scrotum. The back is straight and symmetrical. The anus is atraumatic.

The arms are normally formed. No needle punctures, track marks, or ventral wrist scars are seen. The fingernails are trimmed short and are slightly dirty. The hands are examined prior to washing; no soot or stippling is seen. The legs are normally formed and without edema or amputation. The toenails have overhangs of up to 1/8" and are smeared with blood, but otherwise appear clean.

Body markings: A tattoo of a spade is on the right cheek. On the back of the neck is a black tattoo, "PAIN". On the right side of the neck is a black tattoo, "NIYH". On the left side of the neck is a black tattoo resembling a bull head and indecipherable writing. On the upper chest is a black tattoo of two handguns, $, and "Money $ Power $ Respect". On the right side of the torso is a black tattoo, "IF BLOOD IS THE PRICE OF VICTORY THEN MY ENEMIES SHALL PAY IN FULL". The left arm and hand have multiple black tattoos, a few of which have red ink; these include "DBD", a face with a gas mask, dollar signs, "Bug/Nolia Boyz", a woman with a handgun, skulls, cards, playing dice, a masked figure holding a revolver, "Trust No Bitch", an anarchy sign, a world with a hand giving the middle finger, "God 4 Gives I Dont!", "BMF", and "LOVE". The left arm and hand have multiple black tattoos including a cross with a skull, a fanged skull, "DBO", money, dollar signs, a cartoon figure, "MOE", "Fear What You Don't Know", another cartoon figure, a Durham Bulls logo, and "HATE". On the upper back is a black tattoo, "The Mac". On the left shin is a black tattoo, "God Forgives I Don't". On the left calf is a black tattoo of an Omega symbol and "OMEGA". On the right calf is a black tattoo of an Alpha symbol and "ALPHA".

On the anterior proximal right upper arm is a 1 1/2", linear, obliquely oriented, hyperpigmented scar. The back and buttocks have multiple irregular, hyper- and hypopigmented scars measuring up to 3/8" in greatest dimension.

INJURIES

GUNSHOT WOUNDS

All directions are in reference to standard anatomical position. There are no findings to allow sequencing of the wounds.

PENETRATING GUNSHOT WOUND OF HEAD
ENTRANCE: A gunshot entrance wound of the left parietal scalp is centered 1 1/2" below the top of the head and 1/4" posterior to the left external auditory canal. It is a 3/8 x 5/16" elliptical defect with a crescent-shaped margin of abrasion extending from 6 o'clock to 3 o'clock and up to 3/16" at its maximum span from 12 o'clock to 1 o'clock. Inferior to the wound is a 2 1/4 x 1 1/2" area of sparse, punctate, superficial, red-brown abrasions that may represent stippling. No soot is seen under magnification.

BULLET LODGEMENT: The bullet apparently fragmented upon impacting the skull. Portions lodged deep to the scalp 2 3/4" below the top of the head and 3/4" posterior to the left external auditory canal. The rest of the bullet lodged 6 1/2" below the top of the head barely right of midline, just under the skull base.

BULLET: Recovered from the entrance wound are two bullet fragments. One is an irregular gray metal piece measuring 1/4 x 1/8 x 1/16", and the other is a piece of orange-metal jacket and gray core; it measures 5/8 x 1/2 x 3/8". These are together labeled as "Fragments under scalp" and retained as evidence. The rest of the bullet, recovered from just under the skull base, includes the round, intact base, which measures 5/16" in diameter. It is labeled as "Bullet base from head" and retained as evidence.

PATH: The bullet perforated the left temporoparietal calvarium, leaving a 1 x 5/8", roughly elliptical defect with inward beveling. Curvilinear fractures extend anteriorly and posteriorly from this defect. The portion of the bullet including the base perforated the left temporoparietal and occipital cerebrum, left tentorium, and left cerebellar hemisphere, leaving a hemorrhagic, pulpified wound track. It perforated the left posterior cranial fossa, leaving a 1 1/4 x 3/4" irregular defect with outward beveling. Fractures radiate from this defect to connect with fractures radiating from the entrance and also radiate through the left posterior cranial fossa. Additionally, comminuted fractures extend through the middle and anterior cranial fossae, leaving a hinge-type fracture.

In association with the projectile's passage, there is a thick, diffuse film of subdural hemorrhage, slightly greater on the right than on the left. The ventral portion of the left temporal and occipital lobes have irregular, purple cortical contusion. The left temporal scalp and temporalis muscle have hemorrhage. There is a thick film of left subarachnoid hemorrhage.

DIRECTION: The direction of the bullet's passage was rightward, downward, and slightly backwards.

PERFORATING GUNSHOT WOUND OF RIGHT THIGH

ENTRANCE: A gunshot entrance wound of the posterolateral aspect of the proximal right thigh is centered 36 1/2" below the top of the head and 6" right of midline. It is a 5/16" diameter, roughly round defect with a circumferential, slightly irregular margin of abrasion measuring 3/16" at 12 o'clock, 1/8" at 3 o'clock, 1/16" at 6 o'clock, and 1/8" at 9 o'clock. The wound has no associated soot or stippling.

In association with the bullet's passage, and likely as a result of skin penetration by fractured bone ends, 35" below the top of the head and 7 1/2" right of midline, on the lateral aspect of the right thigh, is a 5/16", linear, obliquely oriented, slit-like defect. It has no margin of abrasion, soot, or stippling.

EXIT: A gunshot exit wound of the anteromedial aspect of the proximal right thigh is centered 37" below the top of the head and 2" right of midline. It is a 1 1/16 x 1/2" irregular defect with, on its medial end, a 3/8 x 1/4", irregular skin tag. The wound edges can be reapproximated. Superior and medial to the wound, separated by a 3/16" bridge of intact skin, is a 3/8", linear, slit-like defect that is in continuity with the wound track underlying the bridge of intact skin. The exit has no associated soot or stippling.

BULLET: Recovered within a mass of clotted blood on top of the white sheet underneath the right thigh is a deformed, orange-metal jacketed hollow-point bullet with a gray metal core. It is deformed and measures approximately 1 1/8 x 7/8 x 5/8". Its deformed base measures approximately 7/16" in diameter. It is labeled as "Bullet under body" and retained as evidence.

PATH: The bullet perforated the right thigh and fractured the right femur. Additionally, the bullet completely transected the right femoral artery and vein.

DIRECTION: The direction of the bullet's travel was frontward, leftward, and minimally downward.

OTHER INJURIES

Superior to the lateral portion of the left eyebrow is a 1/2", linear, horizontally oriented, superficial, red-brown abrasion. On the mucosal aspect of the left side of the lower lip is a 5/16 x 1/8", irregular, superficial laceration.

Reflection of the skin of the back identifies no injuries.

DISPOSITION OF PERSONAL EFFECTS AND EVIDENCE

The following items are released with the body

None.

The following items are preserved as evidence

See EVIDENCE INVENTORY AND DISPOSITION sheet.

PROCEDURES

Radiographs

Postmortem radiographs are taken.

INTERNAL EXAMINATION

Body Cavities

The abdominal fat layer measures up to 1 cm in thickness. The body cavities have no hemorrhage or abnormal fluid. The serosal surfaces are smooth, glistening, and without adhesions. The organs are normally located. The diaphragm is intact.

Cardiovascular System

Heart Weight 320 grams

The heart has a normal shape with a smooth, glistening epicardium. The coronary arteries have a normal origin and distribution with right dominance. The proximal left anterior descending coronary artery has noncalcified atherosclerotic stenosis focally of up to 50%. The left circumflex and right coronary arteries are widely patent and free of stenosis.

The myocardium is red-brown, firm, and uniform without focal fibrosis, softening, or hyperemia. The ventricles are not dilated. The thicknesses of the right ventricle, left ventricle, and interventricular septum are 0.3 cm, 1.4 cm, and 1.4 cm,

respectively.

The endocardium is intact, smooth, and glistening. The cardiac valve leaflets are of normal number, pliable, intact, and free of vegetations, although the tricuspid and mitral valve leaflets appear somewhat thick and fibrotic. The foramen ovale is broad and patent.

The aorta follows its usual course and has minimal atherosclerotic changes. There are no vascular anomalies or aneurysms. The venae cavae and pulmonary arteries are without thrombus or embolus.

Respiratory System
Right Lung Weight 450 grams
Left Lung Weight 660 grams
The tongue, strap muscles, and other anterior neck soft tissues are free of hemorrhage. The hyoid bone and cartilaginous structures of the larynx and trachea are normally formed and without fracture. The airway is unobstructed, lined by smooth, red-tan mucosa, and contains a thin amount of blood. The prevertebral soft tissues are free of hemorrhage. The cervical vertebrae have no displacement, hypermobility, or crepitus.

The lungs have the usual lobation. The pleurae are smooth and glistening; the lungs have mild anthracotic pigment. The lungs are well-expanded and crepitant. The parenchyma is dark red-purple and exudes mild amounts of fluid, although the lower lobe of the right lung is considerably darker and has evidence of blood aspiration. The lungs have no consolidation, infarct, tumor, gross fibrosis, or enlargement of airspaces. The bronchi contain thin blood and have smooth, tan mucosa.

Gastrointestinal System
The esophagus and gastroesophageal junction are unremarkable. The stomach contains approximately 375 mL of thick, tan chyme with masticated fragments of what appears to be white meat, but no visible pills or pill residue. The gastric and duodenal mucosae are intact and unremarkable. The small and large intestines and appendix are unremarkable to inspection and palpation. The intestines are opened along their entire lengths. The small intestine contains varying amounts of tan and yellow-brown succus; from proximal to distal, the colon contains pasty to formed feces. No mucosal lesions are seen.

Liver
Liver Weight 1350 grams
The intact capsule is smooth. The parenchyma is red-brown and uniform without mass, yellow discoloration, or palpable fibrosis. The gallbladder contains less than 5 mL of bile and no stones. The mucosa is uniform, and the wall is not thickened.

Spleen
Spleen Weight 140 grams
The intact capsule is smooth. The parenchyma is maroon, firm, and uniform.

Pancreas
The pancreas has the normal size, shape, and lobulated architecture. The parenchyma is tan and uniform.

Urinary
Right Kidney Weight 110 grams
Left Kidney Weight 120 grams
The kidneys have the normal shape and position. The cortical surfaces are smooth. The left kidney has a 0.2 cm diameter cortical cyst filled with clear, yellow fluid. The right kidney has a 1.2 cm diameter corticomedullary cyst filled with turbid, brown fluid. The pelves and ureters are not dilated or thickened. The bladder contains approximately 150 mL of clear, yellow urine. The mucosa is uniform, and the wall is not hypertrophied.

Reproductive
The prostate gland is of average size and grossly unremarkable.

Endocrine
The thyroid gland is not enlarged, and the lobes are symmetrical. The parenchyma is tan and uniform. The adrenal glands have the normal size and shape. The cortices are thin, uniform, and yellow, and there is no hemorrhage or tumor. The pituitary gland is not enlarged.

Neurologic
Brain Weight 1360 grams
There is a penetrating gunshot wound of the head as previously described. The calvarium and base of the skull are normally configured. The dura is thin and pliable. There is no epidural hemorrhage; there is subdural hemorrhage as noted.

The leptomeninges are glistening and transparent with subarachnoid hemorrhage as previously described. The cerebral hemispheres appear normally formed with a normally developed gyral pattern. There is no flattening of the gyri, narrowing of the sulci, or evidence of herniation. The arteries at the base of the brain have no atherosclerotic changes or aneurysms.

Sections through uninjured portions of the cerebrum show normally developed structures and uniform white matter and a cavum septum pellucidum. Intact portions of the cerebellum are unremarkable; the brainstem is without focal lesions.

Immunologic System
There is no enlargement of the lymph nodes of the neck, chest, or abdomen. The thymus has an appropriate size for the decedent's age and has a pink, lobulated parenchyma.

Musculoskeletal System
The musculoskeletal system is well-developed and free of deformity. There are no fractures of the clavicles, sternum, ribs, vertebrae, or pelvis. The skeletal muscle is dark red and firm.

MICROSCOPIC EXAMINATION

Microscopic Comment
Representative sections of organs and tissues are retained. One section each of heart, liver, lung, and kidney is processed to the level of blocks only.

SUMMARY AND INTERPRETATION

According to the case call, Durham Police Department Medical Examiner Report, and verbal information provided by a State Bureau of Investigation agent present at autopsy, on 11/22/16, this 34-year-old man was shot during an arrest attempt by on-duty Durham police officers. A "shots fired" call came in at 1232 hours. Officers on scene initiated resuscitative efforts. However, following arrival of medics, death was pronounced at the scene.

The autopsy documented a penetrating gunshot wound of the head and a perforating gunshot wound of the right thigh. The head entrance was on the left parietal scalp and had a few associated punctate abrasions that may have represented stippling. The bullet partly fragmented upon impact of the skull; fragments were recovered underneath the scalp. However, the majority of the bullet perforated the skull and brain, then lodged in the posterior neck just inferior to the skull base. The direction of this bullet's travel was rightward, downward, and slightly backwards. The right thigh entrance wound was on the posterolateral aspect and had no soot or stippling. The bullet perforated the right thigh, fracturing the femur and completely transecting the right femoral artery and vein. Although the bullet exited the skin, it was recovered just underneath the right thigh at autopsy. The direction of this bullet's travel was frontward, leftward, and minimally downward. Natural disease documented at autopsy included focal, moderate left anterior descending coronary artery atherosclerosis. Toxicological testing detected cocaine (and its metabolite benzoylecgonine), methadone, oxycodone, acetaminophen, and nicotine. No alcohol was detected.

Based on the autopsy findings and circumstances surrounding the death, as currently understood, the cause of death is listed as gunshot wounds of head and right thigh. The manner of death is classified as homicide.

DIAGRAMS

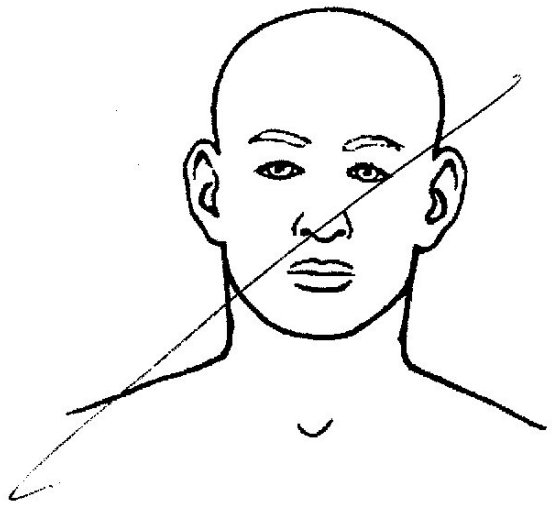
1. Multiview HEAD AND NECK with shoulders
2. Adult MALE autopsy diagram

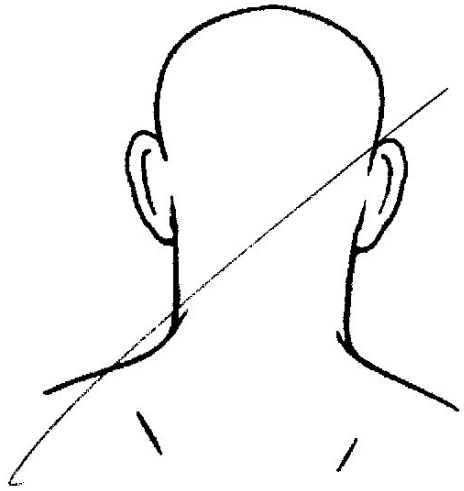
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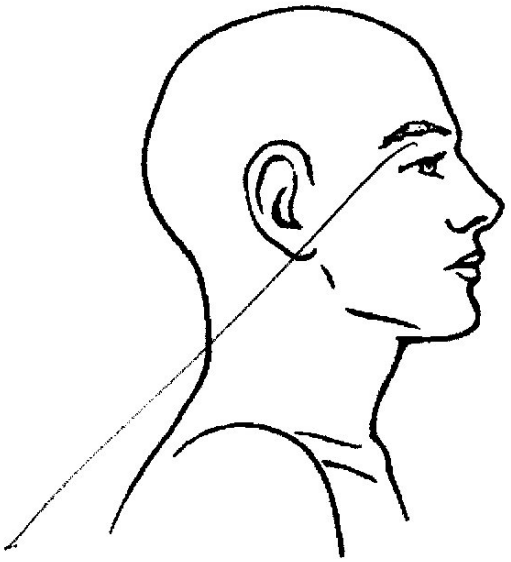
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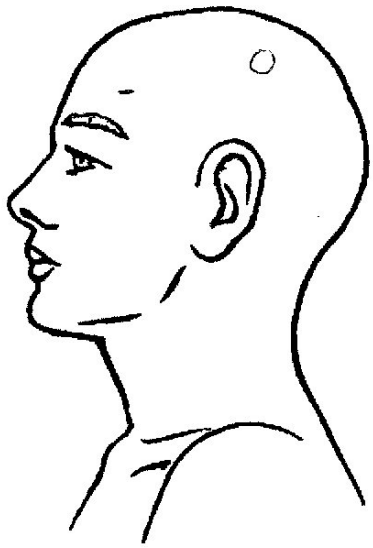
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MULTIVIEW HEAD & NECK WITH SHOULDERS

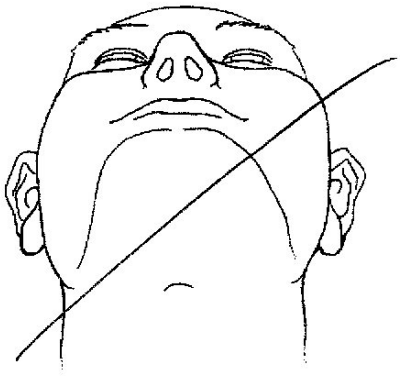


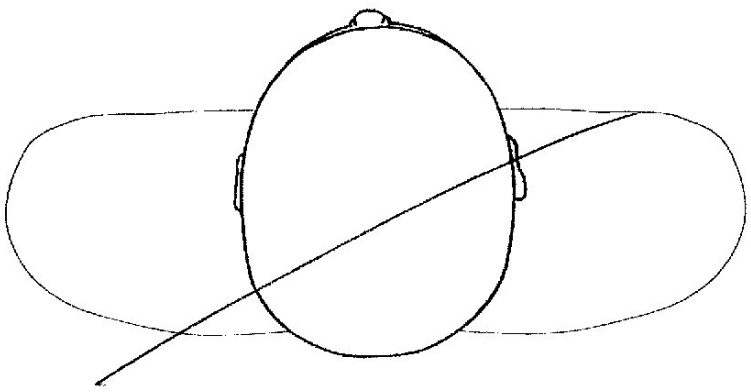






1/2 TCM
1/4 MEAL





State of North Carolina
Office of the Chief Medical Examiner
Raleigh, North Carolina

B 16-4915

Examined by CN Date: 11/23/16

ADULT MALE AUTOPSY DIAGRAM
IDENTIFICATION: ✓ ID checked

