RAMSEY COUNTY
Medical Examiner

K.M. Mills, M.D., Medical Examiner
M.B. McGee, M.D., First Asst., Medical Examiner
V.V. Froloff, M.D., Asst., Medical Examiner
Butch Huston, M.D., Asst., Medical Examiner

FINAL AUTOPSY PROTOCOL

ME 2020-2556

CASE TITLE: Multiple traumatic injuries due to pedestrian vs motor vehicle.

Name Joseph Boever **Age** 55 **Sex** M **Race** White
Date of Death Fd: 9/13/20 **Time** Fd: 0830 **Date of Exam** 9/14/20 **Time** 1147
Place of Death Roadway near Highmore and State Hwy 14, Highmore (Hyde Co), SD
Pathologist Kelly Mills, M.D., Medical Examiner
Place of Exam Ramsey County Medical Examiner's Office

Report Sent to Hyde County Coroner
North Dakota BCI- Special Agent Scott Voeltz

Joseph Boever, a 55 year old white male, was found dead lying in the roadway from an apparent hit and run. The body was transported to the Ramsey County Medical Examiner's Office for an examination. The findings of the examination were as follows:

I. Multiple traumatic injuries due to pedestrian vs motor vehicle.
   A. External injuries.
      1. Contusions of the hands, left arm, legs, and back.
      2. Abrasions of the head, face, chest, abdomen, arms, left hand, legs, and back.
      3. Lacerations of the head, face, arms, legs, and left inguinal region.
      4. Palpable fractures of the nose, right upper arm, left upper arm, chest, right lower leg, and left thigh.
      5. Traumatic amputation of the right lower leg.
   B. Internal injuries.
      1. Subgaleal hemorrhage.
      2. Scanty subdural hemorrhage.
      3. Subarachnoid hemorrhage.
      4. Lacerations and softening of the pontomedullary junction of the brainstem.
      5. Atlantooccipital fracture/dislocation.
      6. Fractures of the ribs, right clavicle, and cervical spine (C3 and C7).
      7. Transection of the aorta, thoracic spine (T11) and spinal cord.
      8. Intraparenchymal laceration of the left lower lobe of the lung.
      9. Lacerations of the liver, spleen, right kidney, bladder, and mesentery of the bowel.
      10. Rupture of the right adrenal gland.

II. Laboratory results

A. Toxicology

1. Blood basic panel screen with quantitation- **Positive** for lorazepam (190 ng/ml); **negative** for 11-hydroxy delta-9 THC, 6-MAM, 7-amino clonazepam, acetone, acetyl fentanyl, alpha-hydroxyalprazolam, alprazolam, amobarbital, amphetamine, barbiturates, benzoylecgonine, buprenorphine, butabarbital, butalbital, cannabinoids, chlordiazepoxide, clobazam, clonazepam, cocaethylene, cocaine, cocaine metabolites, codeine, delta-9 carboxy THC, delta-9 THC, desalkylflurazepam, diazepam, dihydrocodeine/hydrocodol, EDDP, ephedrine, estazolam, ethanol, fentanyl, flurazepam, hydrocodone, hydromorphone, hydroxyethylflurazepam, hydroxytriazolam, isopropanol, MDA, MDEA, MDMA, methadone, methamphetamine, methanol, midazolam, morphine, norbuprenorphine, nordiazepam, norfentanyl, norpseudoephedrine, opiates, oxazepam, oxycodone, oxymorphone, pentobarbital, phencyclidine, phenobarbital, phentermine, phenylpropanolamine, pseudoephedrine, secobarbital, temazepam, and triazolam (NMS).
2. Electrolytes- sodium (138 mmol/L), potassium (14.0 mmol/L), chloride (120 mmol/L), BUN (17.2 mg/dl), glucose (<2 mg/dl), and creatinine (0.6 mg/dl) (HCMC).

11/3/2020

Kelly Mills, M.D.
Medical Examiner

INTRODUCTION

An autopsy is performed on the remains of Joseph Boever at the Ramsey County Medical Examiner's Office on September 14, 2020 at 1147 hours. Identity of the decedent is based on visual identification performed by the decedent's cousin, Nick Nemec.

Specimens collected at the time of the postmortem examination are detailed in the following autopsy protocol.

Photographs taken at the time of the autopsy are by Kelly Mills, M.D., Medical Examiner.

OBSERVERS

The following people are present for the autopsy of the above stated decedent: myself, Dr. Kelly Mills, autopsy technician, Zachary Kippels, and Special Agent Scott Voeltz from the North Dakota BCI.

EXTERNAL EXAMINATION

[redacted]

POSTMORTEM CHANGES:

[redacted]

EVIDENCE OF THERAPEUTIC INTERVENTION: None.

DESCRIPTION OF CLOTHING:

A blue thermal shirt, a pair of blue jeans, a black belt, a pair of brown boots (heel thickness-1 1/2 inches), a dark blue T-shirt, a pair of long gray socks, and a pair of white ankle socks accompanies the body.

MEDICATIONS: None.

IDENTIFYING MARKS:

[redacted]

EVIDENCE OF INJURY

[redacted]

[redacted]

INTERNAL EXAMINATION

The body is opened in the usual fashion to reveal organs in their normal anatomic positions with normal relationships to one another. Organ dissection begins at 1315 hours.

CARDIOVASCULAR SYSTEM

Refer to evidence of injuries for a description of the injuries. ~~The heart weighs 400 grams.~~ [redacted]

[redacted]

RESPIRATORY SYSTEM

Refer to evidence of injuries for a description of the injuries. [redacted]

GASTROINTESTINAL SYSTEM

Refer to evidence of injuries for a description of the injuries. [redacted]

HEPATOBILIARY SYSTEM

Refer to evidence of injuries for a description of the injuries. [redacted]

SPLEEN

Refer to evidence of injuries for a description of the injuries. [redacted]

PANCREAS

[redacted]

ENDOCRINE ORGANS

[redacted]

GENITOURINARY SYSTEM

Refer to evidence of injuries for a description of the injuries. [redacted]

REPRODUCTIVE SYSTEM

[redacted]

NECK STRUCTURES

Refer to evidence of injuries for a description of the injuries. [redacted]

HEAD

Refer to evidence of injuries for a description of the injuries. [redacted]

VERTEBRAL COLUMN

Refer to evidence of injuries for a description of the injuries. [redacted]

X-RAYS

Full body x-rays reveal fractures in the cervical and thoracic spine, ribs, and right clavicle, right humerus, right femur, right tibia, left humerus, and left femur. [redacted]

[redacted]

MICROSCOPIC EXAMINATION

Blocks: 1-4

Cassette 1: pancreas
Cassettes 2-4: adrenal glands

[redacted]

SPECIMENS

Samples of the vitreous humor from the eyes, central blood, gastric contents, a portion of liver, and bile are collected and retained. Sexual assault specimens, blood on cloth, and fingerprints are collected and retained.

TOXICOLOGY

I. Laboratory results
  A. Toxicology
    1. Blood basic panel screen with quantitation- **Positive** for lorazepam (190 ng/ml); **negative** for 11-hydroxy delta-9 THC, 6-MAM, 7-amino clonazepam, acetone, acetyl fentanyl, alpha-hydroxyalprazolam, alprazolam, amobarbital, amphetamine, barbiturates, benzoylecgonine, buprenorphine, butabarbital, butalbital, cannabinoids, chlordiazepoxide, clobazam, clonazepam, cocaethylene, cocaine, cocaine metabolites, codeine, delta-9 carboxy THC, delta-9 THC, desalkylflurazepam, diazepam, dihydrocodeine/hydrocodol, EDDP, ephedrine, estazolam, ethanol, fentanyl, flurazepam, hydrocodone, hydromorphone, hydroxyethylflurazepam, hydroxytriazolam, isopropanol, MDA, MDEA, MDMA, methadone, methamphetamine, methanol, midazolam, morphine, norbuprenorphine, nordiazepam, norfentanyl, norpseudoephedrine, opiates, oxazepam, oxycodone, oxymorphone, pentobarbital, phencyclidine, phenobarbital, phentermine, phenylpropanolamine, pseudoephedrine, secobarbital, temazepam, and triazolam (NMS).
    2. Electrolytes- sodium (138 mmol/L), potassium (14.0 mmol/L), chloride (120 mmol/L), BUN (17.2 mg/dl), glucose (<2 mg/dl), and creatinine (0.6 mg/dl) (HCMC).