

WILLIAM TREATCH

24-2920

MEDICAL EXAMINER REPORT

PIMA COUNTY, ARIZONA

TUCSON POLICE DEPARTMENT

CASE # P2408248504

AUGUST 26, 2024

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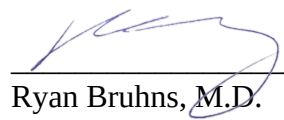
FINDINGS:

- I. Environmental heat exposure
 - A. Recorded core body temperature: 42.1°C
 - B. Clinical course complicated by renal failure, lactic acidosis, hyperkalemia, and possible disseminated intravascular coagulation, per medical record
 - C. Status-post lower extremity fasciotomy and amputation, bilateral
- II. Blunt force injuries of torso
 - A. Contusions of left anterior mid chest

OPINION:

In consideration of the known circumstances surrounding this death, the available medical history, and the examination of the remains, the cause of death is ascribed to environmental heat exposure.

The manner of death is accident.



Ryan Bruhns, M.D.
Medical Examiner

August 27, 2024

Date Signed

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DATE OF DEATH:	August 23, 2024	TIME OF DEATH:	0036 Hours
DATE OF EXAM:	August 26, 2024	TIME OF EXAM:	0900 Hours
PLACE OF EXAM:	Pima County Office of the Medical Examiner 2825 E. District Street Tucson, Arizona 85714		
PERFORMED BY:	Ryan Bruhns, M.D. Medical Examiner		

HISTORY

This 26-year-old male with no known prior medical history was reported to collapse during fire academy training, during which he was reported to be exercising vigorously outside while dressed in full firefighting uniform. He was transported to Banner University Medical Center - Tucson, where he was admitted and treated for hyperthermia (temperature of 42.1°C) and associated complications. Following significant clinical decline over the proceeding days to include bilateral lower extremity fasciotomies and amputations, he was pronounced deceased on August 23, 2024.

PHOTOGRAPHS

Photographs are taken during the examination by Ryan Bruhns, M.D., Medical Examiner.

CLOTHING

See electronic database for clothing and/or personal effects accompanying the body.

EVIDENCE OF MEDICAL INTERVENTION

- 1) Triple-lumen catheter within right lateral neck
- 2) Chest tube within right anterolateral chest
- 3) Single-lumen catheter with overlying adhesive material within right femoral triangle
- 4) Chest tube within left anterolateral chest
- 5) Single-lumen catheter within right ventral forearm
- 6) Single-lumen catheter within right radial wrist
- 7) Single-lumen catheter within left antecubital fossa
- 8) Single-lumen catheter within left dorsal forearm
- 9) Sutured, curvilinear incisions over bilateral femoral triangles
- 10) Fasciotomy incisions on medial and lateral thighs, bilaterally
- 11) Amputation of lower extremities, distal to femur

EXTERNAL EXAMINATION

The body is received in the supine position within a white body bag. The body is that of a well-developed, adult male who weighs 247 pounds, measures 56 inches in length, and appears consistent with the reported age of 26 years. The body is cold. Rigor mortis is absent in the

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muscles of the jaw and extremities. Fixed pink livor mortis extends over the posterior surfaces of the body, except in areas exposed to pressure. There is early postmortem change as evidenced by bloating of the scrotum.

The head is normocephalic. The scalp hair is brown, straight, and 2 cm in length over the crown. The irides are blue. The corneas are translucent. The sclerae and the conjunctivae are clear. No petechial hemorrhages are identified on the sclerae or conjunctivae. The nose is normally formed, and the septum is in the midline. The anterior teeth are natural and in good condition. The ears are unremarkable. The decedent wears brown stubble over the upper lip, chin, and mandible. The neck organs are in the normal midline position and appear unremarkable.

The thorax is well-developed and symmetrical. The abdomen is protuberant. The external genitalia are those of an adult male. The anus is free of lesions.

The upper extremities are well-developed and symmetrical without absence of digits. The hands have short, trimmed fingernails. The lower extremities are remarkable for items described in "Evidence of Medical Intervention." The spine is normally formed.

IDENTIFYING MARKS, SCARS, AND TATTOOS

1) Monochromatic tattoos on right upper extremity

EVIDENCE OF INJURY

I. Blunt Force Injuries, Torso:

On the left anterior mid chest is a 7.0 x 4.0 cm group of red-blue contusions, each from 0.7-1.5 cm in greatest dimension. No underlying rib fractures are appreciated.

SPECIMENS

At the time of examination, a DNA blood card is retained.

HISTOLOGY

No histologic sections are collected for microscopic examination.

TOXICOLOGY

No specimens are submitted for toxicologic analysis.