

Assistant: Jann Smith

OPINION

Diagnoses:

- I. History of back injury, alcohol and Tramadol abuse, seizures, Kratom use
- II. Brain, mild cerebral edema

Toxicology:

Blood Caffeine-	Presump Pos
Blood Cotinine-	Presump Pos
Blood Naloxone-	Presump Pos
Blood Mitragynine-	5100 ng/ml

Cause of Death:

Mitragynine Toxicity

Manner of Death:

Accident

Walter Chaffin

Michael Arnall, M.D. Date

1-28-2025

GROSS EXAMINATION

An autopsy was performed on the body of Kraig Jones at the La Plata County Morgue in Durango, Colorado on November 20, 2024. The autopsy was authorized by the Coroner of La Plata County. Prosecuting was Michael Arnall, M.D. and assisting was Jann Smith.

EXTERNAL EXAMINATION:

The decedent is a well-developed, well nourished, Caucasian male whose appearance is compatible with the stated age of 41 years. The body, which is clothed in black briefs when first examined, measures 70 inches in height. Rigor is fully developed and posterior lividity is fixed. The scalp hair is 1/8- inch long and brown in color. The conjunctivae are congested. The pupils are round, equal and central. The irides are green.

The ears, nose, and lips are without congenital defects. The frenulum is unremarkable. The lingual surfaces of the lips are unremarkable. The mouth demonstrates thickened gums and multiple caries. The neck demonstrates no congenital defects. The chest and breasts are symmetric. The abdomen shows no congenital abnormalities. The external genitalia, anus and perineum are unremarkable for a circumcised adult male. The extremities are symmetric without congenital abnormalities. The fingernails are short and intact. The back demonstrates no congenital defects. The abdomen demonstrates 1- inch of yellow adipose tissue.

EVIDENCE OF INJURIES:

None.

EVIDENCE OF THERAPY:

In the mouth is an endotracheal tube. Resuscitation paddles are present on the chest. EKG tabs are present on the chest, abdomen and right arm. Intravenous catheters are present in the left antecubital fossa and right pretibial region.

IDENTIFYING MARKS AND SCARS:

The La Plata County Coroner identifies this as the body of Kraig Jones. On the left chest is a tattoo of characters. On the bilateral hips are 3-inch scars. On the dorsal right arm is a tattoo. On the right upper back is a tattoo of Japanese characters.

INTERNAL EXAMINATION:

Body Cavities: The thoracic and abdominal organs are normally oriented and related. The left pleural cavity, right pleural cavity, peritoneal cavity and pericardial sac contain no excess fluid.

Head: The brain weighs 1570 grams. The scalp has no abnormalities. The galea aponeurotica has no injuries. The skull has no abnormalities. The vault and base of skull have no abnormalities. The dura is unremarkable.

The cerebral hemispheres, sulci and gyri and the surface of the brain show mild cerebral edema. The epidural space shows no blood. The subdural and subarachnoid spaces show no blood. The cranial nerves and vertebral arteries are unremarkable.

Sections through the cerebral hemispheres, brain stem, and cerebellum, underlying cerebral cortex, subcortical and deep white matter, and the basal ganglia in each hemisphere show no abnormalities. The cerebral ventricles are unremarkable.

Neck: Examination of the soft tissues of the neck demonstrates no hemorrhage. The hyoid bone and laryngeal cartilages have no fractures. The cervical vertebral bodies have no abnormalities. The tongue is unremarkable.

Cardiovascular System: The intimal surface of the thoracic and abdominal aorta is smooth. The aorta and its major branches and the great veins are oriented normally. The heart weighs 460 grams. The pericardium and epicardium are smooth and glistening. The atria are unremarkable. The foramen ovale is closed. The coronary arterial system appears right dominant.

Serial cross sections of coronary arteries demonstrate minimal atherosclerotic plaque. The atrial and ventricular septae are intact. The valve leaflets are thin and pliable. The myocardium is dark reddish brown, firm and cross sections are unremarkable.

Respiratory System: The upper airway contains no foreign material. The laryngeal mucosa is tan and smooth. The right and left lungs weigh 610 and 520 grams respectively. The pleural surfaces are smooth and glistening. The pulmonary arteries are patent. The major bronchi contain no foreign material. Sections of the lungs disclose no mass lesions or areas of consolidation.

Liver and Biliary System: The liver weighs 2490 grams. The capsule is thin. The cut surfaces are red and congested. Cut sections reveal no evidence of cirrhosis or mass lesions. The gallbladder is unremarkable. No stones are observed grossly.

Digestive System: The esophageal mucosa is unremarkable. The stomach and duodenum have no chronic ulcers. The stomach contains an estimated 350 milliliters of tan fluid and food particles including peppers and cheese. The large and small intestines are unremarkable. The mucosal folds appear unremarkable. The appendix is present and appears unremarkable. The pancreas sections appear unremarkable. No mass lesions are identified.

Genitourinary System: The right and left kidneys weigh 150 and 170 grams respectively. The cortical surfaces are smooth. The cut surfaces are congested. No evidence of stones is identified. The ureters have no dilatation. The urinary bladder contains 300 milliliters of pale yellow urine. The cross sections of the prostate gland are unremarkable.

Jones, Kraig
MA24-112

Office of the Coroner
La Plata County

Endocrine System: The thyroid gland and adrenal glands are unremarkable.

Reticuloendothelial System: The 320 gram spleen has a smooth capsule and a dark red cut surface. The regional lymph nodes are unremarkable. The thymus is replaced by fat.

Musculoskeletal System: The clavicles, ribs, sternum, spine and pelvis are unremarkable. The vertebrae have no abnormalities. The musculature demonstrates no hemorrhage.

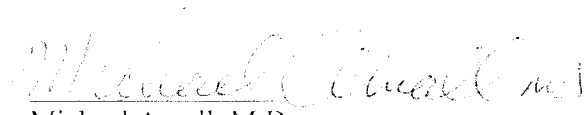
MICROSCOPIC EXAMINATION

Not performed.

CAUSE OF DEATH:

It is the opinion of the undersigned that Kraig Jones died as a result of Mitragynine toxicity.

The manner of death is accident.


Michael Arnall, M.D.
1-28-2025