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REPORT OF AUTOPSY EXAMINATION

DECEDENT

Document Identifier B201000524

Autopsy Type ME Autopsy

Name Christine Whitaker Boone

Age 46 yrs

Race Black

Sex F

AUTHORIZATION

Authorized By Karen L. Kelly MD

Received From Halifax

ENVIRONMENT

Date of Exam 03/09/2010

Time of Exam 10:00

Autopsy Facility ECU Brody School of Medicine **Persons Present** Megan Perry, PhD and anthropology students, Detective Sgt. Gene Harrell, Edgecombe County Sheriff's office and SAs Elliott Smith and Justin Godwin, North Carolina Bureau of Investigation

CERTIFICATION

Cause of Death

UNDETERMINED.

The facts stated herein are correct to the best of my knowledge and belief.

Digitally signed by

Karen L. Kelly MD 29 September 2010 18:39

DIAGNOSES

I. Skeletonized remains with:

- A. Cutmark with splintering of the anterior and lateral of one of the left ribs.
- B. Dental enamel hypoplasias of the mandibular incisors and canines.
- C. Boney remodeling of the left pelvis.

II. No cause of death identified.

III. Positive identification by dental comparison.

IDENTIFICATION

Body Identified By

Dental Exam

EXTERNAL DESCRIPTION

Body Condition Skeletonized

Teeth See discussion in Skeletal section

DISPOSITION OF CLOTHING AND PERSONAL EFFECTS

The following items are released with the body

No items of clothing or personal effects were identified.

PROCEDURES

Radiographs

An X-ray of the left rib cutmark is completed.

Identification

The decedent is positively identified by comparison of antemortem and postmortem dental X-rays.

SKELETAL EXAMINATION

Survey

GENERAL CONDITION: Approximately 10% of the well-preserved skeleton is recovered. The remains were damaged by rodent and carnivore scavenging. The remains were devoid of soft tissue.

TRAUMA: A possible cutmark with splintering on the anterior and lateral side of one of the left ribs 3-10.

TEETH: The maxilla contained only the left and right canines in the alveolar bone. The left and right first and second incisors were lost postmortem. The left and right premolars and molars had been lost antemortem, with tooth sockets being replaced by alveolar bone. The upper third molar had been lost shortly before death. The mandible held the left and right first and second incisors, canines and first premolars. The left and right second premolars and molars had been lost premortem.

PATHOLOGIES: The dentition implies that dental care was not routine. Calculus build up is over the labial surface of the first and second left and the right lower incisors along the gingival line. The anterior mandibular teeth showed an unexpected level of wear. The mandibular incisors and canines contain dental enamel hypoplasias, indicative of physiological and/or psychological stress during childhood dental development.

The posterior side of the left iliac crest displays an area of pathologic bone remodeling.

Attributions

The estimated age-at-death of the individual is 35-45 years using the age-related morphological changes of the auricular surface of the pelvis and the cranial suture closure. Gender determination based on the morphologic features of the left pelvis and cranial and mandibular measurements provided a female gender estimation. Race determination based on cranial measurements indicate that this individual identified herself as black or African-American. Stature determination was difficult due to the lack of long bone recovery. The stature was determined to range between 5'2" and 5'6" using the second metacarpal bone.

SUMMARY AND INTERPRETATION

On Friday, March 05, 2010 at approximately 1014 hours, the Halifax County Sheriff's office, while assisting in searching for a missing person, found a human skull in the woods near Scotland Neck, NC. The scene was secured and the North Carolina State Bureau of Investigation, the medical examiner's office and an anthropologist from East Carolina University were called to the scene to assist in recovery. All recovered remains were brought to the regional medical examiner's office for examination and identification. Detectives from Rocky Mount police department provided three sets of dental records from individuals missing from the Nash and Edgecombe county areas.

Autopsy examination revealed skeletonized remains without remaining soft tissue. The remains were determined to be from an African-American woman approximately 35-45 years of age. Dental examination positively confirmed this individual's identity as Ms. Christine Boone, a 46 year old African-American woman. A specific cause of death was not identified in the skeletal remains recovered.

DIAGRAMS

There are no diagrams for this Autopsy.