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| **Activity 1.1.6: Victim’s Autopsy Report** |

**Office of the Medical Examiner**

**Metropolitan Government of Any town**

**Case # 77**

**Decedent:  Anna Garcia**

**Age: 38**

**Weight: 165**

**Height: 64 Inches**

**Race: Hispanic**

**Sex: Female**

**Date and Time of Autopsy: August 15, 2007 8:24 am**

**Performed By: Dr. King**

**Physical Examination Results:**

**External Examination**

1.    Generalized pallor and evidence of oxygen deprivation.

2.    Fingernails and toenails blue/gray color.

3.    Evidence of vomit in oral cavity.

4.    Blunt trauma to the head, wound indicative of a fall against a solid object, light bleeding suggesting lack of blood flow.

5.    Edema of ankles visible.

**Internal Examination**

6.    Excess fluid found in lungs.

7.    Heart of normal size and weight, with preliminary signs of congestive heart failure.

8.    The left ventricle of heart showed serious muscle damage indicative of a myocardial infarction (heart attack)

9.    The left coronary artery showed 50 % occlusion (blockage), the right coronary artery 40% occlusion indicative of atherosclerosis.

10. The aorta showed moderate occlusion.

11. The mitral valve showed scarring indicating past inflammation, possibly due to rheumatic fever.

**Microscopic analysis of blood**

12. Moderate anemia.

13. Irregular red blood cell structure indicative of Sickle Cell disease.

**Laboratory Results:**

**Toxicology:**

1.    Blood:

o  Glucose level 425mg/dL.

o  Thiazolidione, quantity indicative of normal dosage. (used for diabetes)

o  Pioglitazone, trace amount. (used for diabetes)

o  Hydroxyurea, trace amounts. (used for sickle cell disease)

o  Troponin T levels elevated, indicative of irregular heart contraction.

o  LDL Level 160, abnormally high.

o  HDL Level 46, normal range.

o  No evidence of alcohol.

o  No evidence of non-prescription drugs.

2.    Urine:

o  Albumen level 15mg/dL, abnormally high, indicative of kidney irregularity.

o  Glucose level elevated.

**External Examination**

**General Appearance:**

The body is that of a well-developed, well-nourished adult Hispanic female who appears to be her stated age of 38. Body height is 64 inches and body weight is 165 lbs. No evidence of post-mortem treatment is present and rigor mortis is generalized.

**Clothing and Valuables:**

The body is admitted to the morgue clothed and within a body bag. One ring is present on the right ring finger. Clothes are not torn and do have blood stains. Small amount of vomit is on the shoulder area of the blouse.

**Head and Neck:**

The head is normally shaped with medium length, black hair. There is an injury to the right temple, including an open wound and pre-mortem bruising is evident. Neck shows no sign of injury.

**Trunk:**

The chest and torso are appropriate size, no visible sign of trauma or abnormalities.

**Extremities:**

The extremities are symmetrical and without abnormalities. The ankles are swollen and signs of edema are positive with moderate fluid accumulation. The fingernails show substantial graying indicative of low oxygen.

**Injuries:**

A head wound at the right temple, 2 cm in length, and 5 mm in depth at the center. Surrounding area bruised, limited bleeding evident. No skull fracture.

Right elbow bruise, 2 cm in diameter, limited contusion.

No other visible injuries.

**Internal Examination**

The body cavities were opened using the standard Y incision. All organs are present in the normal anatomic locations. Little blood is present in the pleural cavity. Lungs are compromised with fluid and showing evidence of emphysematous changes.

There is evidence of cardiac tissue damage and scarring. Moderate to sever atherosclerosis is present in several heart vessels.

The stomach contains 15 mL of greenish fluid, unrecognizable food contents.

Organ weights are all within acceptable range for a woman of this size. The specific weights were: heart, 305 g; right lung, 515 g; left lung 520 g; liver, 2550 g; spleen, 310 g; pancreas, 140 g; right kidney, 130g; left kidney, 150g; and brain, 1320 g.

**Manner of Death: Natural Causes**

**Cause of Death: Cardiac Arrest**

Jane King

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**Jane King, MD**

**County Medical Examiner**