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**Decedent Information:**

- **Name:** William Buckley
- **Age:** 16 Years
- **Sex:** Male
- **Case Number:** 1985-0621
- **Date of Autopsy:** June 15, 1985
- **Performed by:** Dr. Deborah Heinz, Forensic Pathologist

**Circumstances of Death:** The decedent was found submerged in the Pennsauken public swimming pool at 6100 River Rd, Pennsauken Township, NJ 08110 on June 12, 2024. Emergency services were called, and upon arrival, the decedent was declared deceased at the scene.

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**External Examination:** The body is that of a well-nourished, well-developed teenaged male, measuring 5'9" in length and weighing 180 lbs. The skin is pale and exhibits wrinkling consistent with prolonged immersion in water. Livor mortis is present and fixed on the posterior aspect of the body. Rigor mortis is fully developed in all muscle groups. The decedent shows a notable reduction in subcutaneous body fat, which is unusual for someone of his reported health status. No external traumatic injuries are noted.

**Internal Examination:****Head and Neck:**

- The scalp is intact without contusions.
- The skull and facial bones are intact.
- The brain weighs 1400 grams and is edematous. No evidence of hemorrhage or traumatic injury is observed.
- The neck structures, including the larynx, trachea, and cervical spine, are intact and show no signs of trauma.

**Thoracic Cavity:**

- The ribs, sternum, and clavicles are intact without fractures.
- The lungs are heavy and edematous, with a combined weight of 1,250 grams. On sectioning, the lung parenchyma exudes a frothy fluid. Both lungs contain areas of hemorrhage.

**Pulmonary Findings:**

- Microscopic examination reveals abundant foreign material within the alveoli, including coconut and other unidentified oils.
- The trachea and main bronchi contain a frothy fluid and similar foreign material.

**Abdominal Cavity:**

- The liver weighs 1,500 grams and is normal in size and shape. The parenchyma is tan-brown and firm.
- The spleen, kidneys, and adrenal glands are unremarkable.
- The stomach contains approximately 50 mL of partially digested food. No pills or toxic substances are noted.
- Notable reduction in body fat is observed in the abdominal cavity and surrounding organs.

**Toxicology:**

- Blood, urine, and vitreous humor samples were collected for toxicological analysis.
- Preliminary results indicate a blood alcohol concentration (BAC) of 0.08%. Further toxicology screening for other substances is pending.

**Cause of Death:**

- Drowning due to submersion in a swimming pool.

**Contributing Factors:**

- Presence of coconut and other unidentified oils in the lungs suggests possible inhalation or aspiration of foreign materials before drowning, warranting further investigation into the circumstances leading up to the incident.
- Unusual reduction in body fat may suggest an underlying medical condition or nutritional issue that requires further investigation.

**Manner of Death:**

- Undetermined at this time pending further investigation. The presence of foreign materials in the lungs raises questions about the possibility of foul play or accidental ingestion.

**Summary:** William Buckley, a 16-year-old male, was found drowned in a public pool. Autopsy findings are consistent with drowning, with the significant presence of foreign materials (coconut and unidentified oils) in the lungs, raising questions about the events leading up to death. Additionally, there is an unusual reduction in body fat, which may suggest underlying health issues. Toxicology results show a BAC of 0.08%, which may have contributed to the drowning. The manner of death remains undetermined pending further investigation.

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