

ADDENDUM H

REPORT ON THE X-RAY BACK SCATTER AND SCANNING ELECTRON MICROSCOPY AND ENERGY DISPERSIVE X-RAY OF TISSUES OF JOHN B. CONNALLY, PREPARED BY SOUTHWESTERN INSTITUTE OF FORENSIC SCIENCES, DALLAS, TEX., DATED AUGUST 29, 1978

**X-ray Back Scatter with Scanning Electron Microscopy
and
Energy Dispersive X-ray of Tissues of J. B. C.**

8/24/77 and 8/28/77

Southwestern Institute of Forensic Sciences at Dallas

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Director**

Report of 8/29/78

Special analyses using scanning electron microscopy equipment fitted with x-ray back scatter detector and energy dispersive x-ray were undertaken on the tissues which had been removed from the right wrist and the left thigh of John B. Connally at the time of debridement on 11/22/63. The surgical pathology report signed by Vernie A. Stembridge, M.D. is numbered S63-6750. The description is of three specimens and the microscopic examination of the three slides made from these three specimens.

Doctor Vernie A. Stembridge was contacted by me and delivered to me not only the three microscope slides prepared from the specimens removed from John B. Connally, but also the remaining tissue embedded in paraffin which had still been preserved.

The three microscope slides were examined and no evidence of metallic fragments was noted either by direct observation or by seeing evidences of tearing of the tissue which might have occurred as a result of the nicking of the microtome knife due to contact with metallic fragments that would occur during the preparation of the microscope slides.

The paraffin blocks containing the tissues from the debridement were then subjected to energy dispersive x-ray analysis. No evidence of copper lead, zinc, or nickel was found.

After preparation the paraffin blocks containing the tissues removed at the time of debridement and still remaining following the preparation of microscope slides were subjected to analysis using a scanning electron microscope fitted with a low angle detector for x-ray back scatter. No copper, lead, zinc, or nickel was found by means of this analysis.

It should be noted that the analyses undertaken were completely nondestructive and the tissues contained in the paraffin blocks and the microscope slides themselves have been retained, awaiting further instructions regarding disposition.

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