

COUNTY MEDICAL EXAMINER

5201 HARRY MINES ELVO.

DALLAS, TEXAS 75235 -----

1:63-356 Autopsy Kumber:

Age: 24 Race: White Sex: Male None: OSMALD, Lee Harvey Autopsy date: 11-24-63, 2:45 P.M. _ Coroner: Judge Pierce McBride

Antopsy by: Earl F. Rose, M. D. Assistant: Sidney C. Stewart, M. D.

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EXTERNAL EVALUATION:

Enternal examination reveals a 5 foot, 9 inch white male, the estimated weight is 150 pounds. Rigor is not present, slight cooling of the body. There is faint posterior nottling livicity. . .

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Identification bands on the left wrist, the right wrist, the left great toe. blood in the hair which has run from the hairline to the right and backward. Slight frontal balding. To the right of the midline over the forehead is a 1/2 x 1/16 inch crusted superficial abrasion. The hairline, left temporal region, is a 1/16 inch very superficial abraded area. There is a left periorbital hematome which is purple in the central portion, fading at the margins to a faint lenon-yellow. Fotal diameter of this is 1 3/4 x 1 inch. The irides are grey-blue, the pupils are equal at 8 mm. The sclera and conjunctiva are not remarkable. Poorly defined scar on the dorsum of the nose which measures $\frac{1}{2} \times \frac{1}{2}$ inch. There is black material in the mares. Midline, upper lip, terminating at the vermillion margin is a g inch pale scar. To the left of the ridline, the upper lip, is a 1/16 inch abrasion. The buccal cavity is otherwise not remarkable. Oral hygiene is fair with some fillings. The tongue is not remarkable. The beard measures between 1 to 2 mm. Examination of the nack is made. At the upper end of the right sternocleidomastoid over the skin is a transverse very superficial 3/4 inch scrutch with some reddish entiseptic type of paint surrounding this. Hair distribution is normal. The public hair has been shaved. The penis is circuncised. The testes are descended. The abdomen is flat.

Over the left pectoral region, 14 inches from the top of the head and 2 3/4 inches to the left of the midline there is a li inch wound. The edges of this are sharp. Cver the left chest is an obligue wound which originates 17 inches from the top of the head and runs forward, downward toward the midline anteriorly measuring 72 inches and closed by 12 running black subures. This wound goes inferior to the left niggle. Over the lateral aspect of the left arm, 16 inches from the top of the head is a 3/4 x 3/3 inch wound. It goes into the subcuteneous tissue. 18 inches from the top of the head over the lateral aspect anteriorly of the right and there is a 1 :: * inch wound which goes into the subcutaneous tissue. 212 inches from the top of the head originating slightly below the mighold running in the midline to above the public is a 10% inch anterior midline wound closed by 5 wire subures. Above

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the medial melleolus on the right side there is a 1 3/4 inch transverse out-form incicion. Cephalad to this is a transverse 1 3/4 inch superficial transverse incised wound. Above the left medial malleolus there is a ly inch cut-down type of inclosed wound. To the left of the midline region of the second thoracic vertebra there is a very faint 3/8 inch bluish discolored area. In the right antecubital focsa is a very tiny needle puncture type of wound surrounded by bluish discoloration. In the left antecubital fosse there are three small needle puncture type of wounds surrounded by bluish discoloration. The nails are examined. They are somewhere dirty although quite well cared for. No evidence of injury is noted. On the midportion dorsum of the left hand, there is a poorly defined pale white oblique & inch scar. Over th, voler espect of the right wrist there is a transverse superficial $\frac{1}{2}$ inch abrasion. Volar aspect of the left wrist there is a transverse 1 3/4 inch slightly raised white scar. Medial aspect of the right knee relaish very poorly defined 7/8 x 1/4 inch reddish discoloration. Over the left and, below the deltoid there is a transverse 5/8 x 3/4 inch somewhat puckered and irregular scar. A Lew strias along the lateral aspect of the thighs. Some of the hair of the chest has been shaved. In addition, to the left of the midline . there is a round poorly defined round impression on the skin, the diameter of which is 2 inches. Over the medial aspect mid-distal third of the left arm there is a li inch vertical scar with cross hatching.

23 inches from the top of the head and 3 3/8 inches to the left of the midline anteriorly and 10 3/4 inches to the left of the midline posteriorly, over the lower aspect of the left chest there is an entrance type of wound which measures $1/4 \times 5/16$ inch in diameter. This is surrounded by a contusion ring, the total diameters of the contusion ring are 3/8 of an inch.

22 inches from the top of the head end 9 3/4 inches to the right of the midline anteriorly and $3\frac{1}{4}$ inches to the right of the midline of the back there is a vertical 2 x 1 inch gapping wound. Posterior to this by $\frac{1}{2}$ inch there is a $3/4 \times 3/8$ inch irregular contused area.

ENCISIONS: The standard "Y" thoracoabdominal and intermastoid incisions are utilized. Reflecting the skin there is found to be a wound between the fourth and fifth rib which extends through the soft tissue and measures 6 inches in length. This conforms to the wound on the left chest. The incision is continued through the abdominal wound as well as the thoracotomy wound to the left of the midline of the chest.

SEROUS CAVITIES: Examination of the serous cavities is made. In the left pleural space approximately 175 cc. of blood. In the right pleural space there is in encess of 600 cc. of blood. In the peritoneal cavity there is in excess of 1000 cc. of blood with clot formation. In addition, there is massive retroperitoneal hanorrhage. The omentum adjacent to the transverse colon and stomach is henorrhagic and irregularly torn.

The obdominal panniculus measures 1 3/4 inches.

We could of the would is followed. It is found to notch the undersurface of the seventh rib at the costochondral junction, this is surrounded by hemorrhage. In its course it notches the disphragmatic attachment in this region, however, the left lung is not penetrated. The course is found to go from left to right call backward. In its course it is found to strike the enterior edge of the spleen and there is a cruciete laceration of the spleen measuring approximately 1.5 x 2 cm.

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The missile is found to penetrate the stonich clong the greater curvature of the body of the storach, the genetration macsuring 9 mm. It exits from the storach along the posterior wall, lescer currature, 2 ca. distal to the cardioacophageal junction. The penetration measures 8 mm. It pursues a course backwards and to the right slightly cauded to the celiac axis and there is extensive henorrhage in this area. The anterior and right anterio-lateral aspect of the sorta is torn with the superior mesenteric artery being severed. The right renal artery shows destruction and hemorrhage along the caphalad portion. The right renal vein is torn and the tear involves the inferior vena cava, the dorsal surface. It courses through the upper pole of the right kicney along the anterior surface causing a jagged and irregular laceration covering a distance of 5 x 2 cm. with penetration into the calyces. It becomes peritonealized in the hepatorenal pouch and there is c jagged and irregular laceration of the liver covering a distance of $9.5 \times 2 \times 2$ cm. From the liver it penetrates the disphragm posteriorly on the right side. It then passes adjacent to the lung in the pleural space and the right lung is not penetrated. The eleventh rib to the right of the midline is irregularly fractured and an exit type of wound in this region and in the soft tissue along the posterior atillary line right side there is an incised wound and fragmentation of the rib.

NECK ORGANS: The neck organs are examined. They are not remarkable. The hyoid is intact. No evidence of injury is noted. The thyroid gland is not remarkable grossly.

LUNGS: The traches and bronchi are not remarkable. The right lung is quite well serated. The left lung is stelectatic. The peribronchial tissue is not remarkable, however; there is hemorrhage in the posterior mediastinum.

HEART: Examination of the right atrium as well as the right ventricle and a pulmonary artery shows frothing bubbles. The epicardium is markedly congested with petechial hemorrhages, more marked over the left ventricular portion. The heart weighs 330 gm. There are a few subendocardial petechial hemorrhages. Along the anterior right ventricular surface there is a single suture. This is in the epicardial fat. The right ventricle measures 2 to 3 mm., the left 1.2 to 1.3 mm. The valvular circumferences are as follows: aortic valve - 7 cm., mitral valve - 10.5 cm., tricuspid valve - 11.5 cm., and pulmonic valve - 7 cm. The coronary ostia are in the normal location. The coronary arteries are examined in situ, found to be thin, delicate, of normal distribution and free of occlusions. There are left ventricular myc ardial hemorrhages.

LIVER: The liver weighs 1260 gr. The penetration of the liver has previously been described.

GALLELADDER & BILLARY TREE: Not remarkable.

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PORTACAVAL SYSTEM: Examination of the portacaval system is made. There is frothing blood in the portacaval system. Extensive hemorrhage is noted to surround this, particularly in the region of the pencreas.

ENIGRAPHIES: The pancreas is surrounded by henorrhage. The parenchyma of the pancreas is not punctuated and the ductal system is not remarkable.

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SPINIT: The spleen weighs 200 gm. The penetration of the spleen has previously been decorribed.

DEPENDE: The penetrations of the disphrages have previously been described.

RECROPERITORIAL FISSUE: There is massive hemorrhage.

CREAT VESSERS: The penetration of the corta has previously been described. The corta is otherwise smooth and elastic. There is extensive pericortic henorrhage which extends above the disphragm in the posterior mediastimal tissue.

NIDERS: The kidneys weigh 450 gm. The destruction to the right kidney has previously been described. The capsule strips with slight difficulty. The cortical surfaces are smooth and pale. The corticomedullary junction is indistinct. The cortices measure 5 to 7 mm. There is hemorrhage into the perenchyme with destruction of the right kidney as previously described. The penetration of the calyces has also been described. About the pelvis of the right kidney there is extensive hemorrhage. The pelvis and ureters are otherwise not remarkable. The bladder contains bloody urine. The prostate is grossly not remarkable.

ADRELIALS: The adrenals are both surrounded by hemorrhage, however, both are intect.

INTESTINAL TRACT: The small and large bowel are examined. They are free of panetrations. The appendix is identified. The large bowel contains some formed stool. The penetrations of the stomach have previously been described and there is blood in the stomach. The rugal pattern is not remarkable. The duodenum is not remarkable.

TAYAUS: The thymus weighs approximately 15 gm., is guite fibrotic.

SCALP, SKULL, CRANIAL CAVITY & DURA: Not remarkable. No evidence of injury is noted.

BRAIN: The brain weighs 1450 gm. The brain is symmetrical. The external surface of the brain is not remarkable. Configuration is normal. Multiple sections through the brain are taken and fail to reveal any abnormalities. The ventricular system is symmetrical. No abnormalities are encountered. The vascular system is not remarkable and the vessels are thin and delicate. The calvarium is not remarkable. The cervical vertebra and odontoid are not remarkable.

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MICROSCOPIC:

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Aorta: There is disruption with fresh henorrhege. No inflamation or organization.

Neart: Mere are henorrhages in the opicardial fat, mild interstitial edema and focal fregmentation of the muscle fibers.

Ling: Areas of atelectasis and focal alveolar hemorrhagic extravasations.

Liver: Disruption with fresh henorrhages, otherwise non-contributory.

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Bowel: There are disruptions of the stonach with henorrhages adjacent. The remainder of the bowel sections are non-contributory.

Spleen: There is disruption along one margin, otherwise non-contributory.

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Thyroid: Non-contributory.

Pancreas: Non-contributory.

Gallbladder: Non-contributory.

Prostate: Non-contributory.

Lymph Nedes: Non-contributory.

Adrenals: There is extensive fresh henorrhage adjacent, otherwise non-contributory.

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Skin: Section through the entrance wound shows disruption with fresh hemorrhages. There is no organization or inflamation. Some amorphous debris and fibers in the depths of the wound.

Kidney: Sections show disruption of the right kidney with henorrhages which are marked in the pelvic fat and perirenal tissue.

Centrel Nervous System: Multiple sections are examined and they are non-contributory.

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Caest, left, gunshot wound. Ponetration of the spleen, storach, sorts, kidney, liver and disphrage. Massive retroperitoneal hemorrhage. Massive peritoneal hemorrhage. .Esart, left ventricular epicardial and myocardial hemorrhages. Right and left hemothorex. Atrium, right; ventricle, right; pulmonary artery, - air. Lung, left, utelectasis. Chest, left, thoracotony. Abdomen, leparotony incision. Ara, left; arm, right; ankle, right; ankle, left - cut-down incisions. Chest, right, incised wound. Ive, left, periorbitel hematome. Forchese and lip, sprasion. Left wrist and left arm, scars. • • • •

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CAUSE OF DEATE:

Hemorrhage, secondary to gunshot wound of the chest.

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Earl F. Rose, M. D.

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DELLS COUNTY HOSTER DISTATOT (Farkland Memorial Hospital)

Date <u>11/26/63</u>
TOXICOLOUIC L C.J.O.T
Oace of Ise Karvey Oswald .utopsy No. ML63-356
utopcy by Dr. Rose . On 11/24/63
Examined for Alcohol and berbiturate.
Organs submitted Blood (see also report on skin, below).
RECULT, CF.F.LY3I.:
Poisonous Gases
Volatile Poisons
.cidther soluble poisons Negative.
.lkaline-Ether soluble poisons
Armonia-Sther or :
fetallic Poisons
fineral cids and alkalies
Talogens and their salts
Salts of Oxy-acids
Poisons isolated by special methods
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ENAMES: Blood type = ${}^{n}A^{n}$

No nitrates were detected around the bullet hole in the pecimen of skin and specimen of ligament submitted.

Dellas County Hospital District Toxicologist,

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Dans , Mer-const S.J. Ind. Div. Mile Prof. Ly Danson . . . (Zarking Henerial Me. sital Dallas, Poxip BLOOD and HOL LLCAR Referred by Medical Staff Case of MI65-356 At _ Parisland Hoopital Blood drawn by____ AII. Date Line _____ ii. Antiseptic used_____ Officers, identification, etc.:___ Specimen received from: <u>. H</u> Dillas J.D. Lock Nox at _____ Date____ By____ / E.C. . Lab. Lock Box at 1:15 M. Date 11/25/53 By W. Patterson EZ Other (Describe): Morrows ies how. Specimen transferred to to Day (Annlyst). Time 1.30 Ali Date 11/25/63 By M. Petterson Specimen container: One test tube stontered with rubber stonver Information from: Analytical Date and time of analysis 11/25/63 2:20 AYA 2M Specimen: L. hole Blood L Plasma or serum .inalyst: N. P. Ray Date (Micro-Greenberg Nethod): = 2.82 2.73 Calculation: 02 2 = 2.82 2.78 1 3v. = 2.82 U av.= 2.78 Negative for alcohol. 57 = 2-85 = 0.19 ⁵2 = 2.85 0,10 B = v = 2.85/ / Yes Gas chronatogram /E/ No Result: Alcohol content Macotiva County Criminal Dallas Investigation Laboratory

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