





















Department of  
Laboratories and Research  
10 Dana Road Valhalla, NY 10595

## AUTOPSY REPORT

**NAME:** Diane Schuler

**CASE NUMBER:** M2009-1442

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### HEART AND LARGE VESSELS:

The 310 gram heart has unremarkable size, shape and epicardial surfaces. The coronary ostia have normal origin and are open. The coronary arteries have right dominant distribution and are patent with no significant atherosclerosis and no hemorrhages around the coronary arteries. The right ventricle is 0.3 cms and left ventricle 1.1 cm thick. The heart muscle on sectioning is dark red with no paleness, hemorrhages or scarring. The heart valves are pliable with mild fibrosis of the anterior mitral leaflet and with no vegetations or valve circumferences: tricuspid 11 cm; pulmonary 7.5 cm; mitral 9; aortic 6.5 cm. The endocardium is transparent. The thoracic aorta and abdominal aorta and branches have no atherosclerosis and no aneurysm. The inferior vena cava is unremarkable. The pulmonary arteries are free of thrombi.

### LUNGS AND AIRWAYS: ( see injury, contusions and lacerations of lungs)

The 320 gram right lung and 280 gram left lung are distended with smooth pleura and pleura has no adhesions. The hilar lymph nodes are not



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enlarged. The main bronchi have sparse but thick mucus focally forming concentric rings of the mucus. The mucus is white gray. The sectioning of the lungs reveal no mass lesions, purulent exudates or consolidations.

### **GASTROINTESTINAL TRACT:**

The esophagus has unremarkable mucosa. The stomach serosa is unremarkable. The stomach has 180 ml of gray fluid with no pills or fragments. The stomach mucosa is intact with normal folds and no erosions or ulcers. The duodenum is free of ulceration. The jejunum, ileum and large bowel are unremarkable ( see mesentery laceration).

### **LIVER AND GALLBLADDER: ( see injury- liver lacerations)**

The 1930 gram liver has smooth capsule and normal consistency light brown sections. The gallbladder is not identified.

### **PANCREAS:**

The pancreas is unremarkable and on sectioning it reveals no masses , fibrosis or hemorrhages.



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### ADRENALS:

Unremarkable with no nodules and only small peri adrenal hemorrhages to the right adrenal.

### HEMOPOIETIC SYSTEM:

The 130 gram spleen has several lacerations and slate gray capsule and soft red brown sections. There are no masses. The lymph nodes and bone marrow are unremarkable.

### GENITOURINARY TRACT:

The kidneys weigh 180 grams each and are pale with smooth surfaces. The cortices and medullae are demarcated with pale cortices. The collection system and ureters are normal. The urinary bladder has urine and normal mucosa. The uterus is unremarkable. The endometrium is red gray thick. The ovaries, right has larger corpus luteum.



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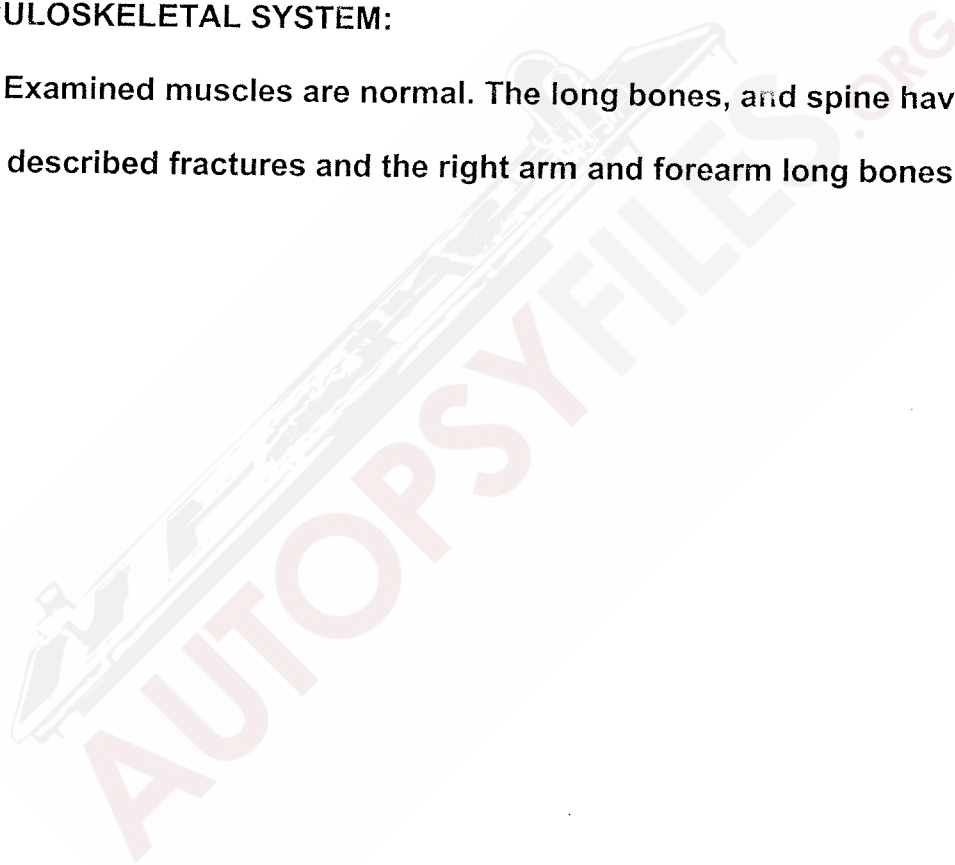
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### MUSCULOSKELETAL SYSTEM:

Examined muscles are normal. The long bones, and spine have above described fractures and the right arm and forearm long bones are intact.





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### ANATOMICAL FINDINGS:

HEAD, BLUNT FORCE INJURY, LARGE SCALP AVULSION AND  
RIGHT FRONTAL EAR LACERATION  
FOREHEAD ABRASIONS  
CHIN AND UNDER CHIN ABRASIONS AND LACERATIONS  
FACIAL BONE FRACTURES WITH TEETH AVULSION IN THE LOWER  
JAW  
ATLANTO-OCCIPITAL DISLOCATION WITH SPINAL CORD  
TRANSECTION  
THORACIC SPINE FRACTURE WITH DISLOCATION AND SPINAL  
CORD TRANSECTION  
RIB FRACTURES, SERIAL BILATERAL RIGHT FRONTOLATERAL,  
LEFT POSTERIOR  
AORTA, THORACIC DESCENDING TRANSVERSE LACERATION  
LUNGS, LACERATIONS AND CONTUSIONS  
LIVER AND SPLEEN, LACERATIONS  
PELVIC FRACTURES



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LEFT UPPER LIMB AND LEG FRACTURES

SKIN LACERATION LEFT ARM AND BOTH LEGS

THERMAL CHANGES, LEFT THIGH MUSCLE AND RIGHT LATERAL

KNEE AND RIGHT SHIN SKIN

BRONCHI, DRIED MUCUS FORMING CIRCULAR MEMBRANES

THYROID, DARK COLLOID CYSTS, SMALL



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### CAUSE OF DEATH:

**BLUNT FORCE INJURIES OF THE BODY WITH MULTIPLE SKELETAL FRACTURES; LACERATIONS AND CONTUSIONS OF INTERNAL ORGANS. DRIVER; INVOLVED IN VEHICULAR COLLISION, 7/26/09, ABOUT 1:35 PM, TACONIC STATE PARKWAY, MT. PLEASANT, NY.**

### ACCIDENT

8-24-2009

*A. Milovanovic*  
**Aleksandar Milovanovic, MD**

**Pathologist/Deputy Medical Examiner**

AM/mk

July 28, 2009



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**TOXICOLOGY:**

BLOOD, EYE FLUID, URINE, GASTRIC, PORTIONS OF BRAIN AND  
LIVER SUBMITTED.

**HISTOLOGY:**

TISSUES ARE SAVED AND SUBMITTED.

*A. Milovanovic MD*  
Aleksandar Milovanovic, MD

Pathologist/Deputy Medical Examiner

AM/mk

July 28, 2009





**TOXICOLOGY REPORT**

Deceased: **Diane Schuler**

Age: 36 Years Dr. Aleksandar Milovanovic

**Samples Submitted for Analysis**

Blood (Site: Right Chest Cavity)  Urine  Liver  Vitreous Humor  Brain  Gastric Contents

**Drug Screen (Confirmed and Unconfirmed)**

<u>Specimen</u>	<u>Result</u>	<u>Technique</u>
Blood	THC present	IA
Urine	THC-COOH present	IA

*All Confirmed Results Below*

**Quantitative Results**

<u>Specimen</u>	<u>Component</u>	<u>Result</u>	<u>Technique</u>
Blood	Ethanol	0.19 g/100 mL	GCFID
Urine	Ethanol	0.25 g/100 mL	GCFID
Vitreous Humor	Ethanol	0.23 g/100 mL	GCFID
Brain	Ethanol	0.17 g/100 g	GCFID
Gastric Contents	Ethanol	1.75 g/100 mL	GCFID
Gastric Contents	Ethanol	6 g/350 mL	GCFID
Blood	11-OH-THC	5.6 ng/mL	GCMS
Blood	THC	113 ng/mL	GCMS
Blood	THC-COOH	59 ng/mL	GCMS
Blood	Carbon Monoxide	Present less than 5 % Saturation	Spectro
Urine	THC-COOH	1638 ng/mL	GCMS

2009 AUG 4 PM 1:40

Signature: Elizabeth Spratt  
Elizabeth Spratt MS, DABFT

8/4/09

Report Date: 8/4/09



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## MICROSCOPIC EXAMINATION

NAME: Diane Schuler

JOB NUMBER: M2009-1442

Heart : (2) Left Ventricle Lateral and Interventricular Wall: No acute ischemic changes, necrosis, inflammation or myocardial fiber hypertrophy. Mild perivascular fibrosis. The epicardium and endocardium are unremarkable.

Heart: (1) Upper Septum-AV Node Fibers: Normal, no fibrosis, inflammation or tumor. The endocardium is unremarkable.

Bronchi and Lungs: (2) Large and small bronchi have plenty of mucus with admixed clumps of sloughed normal epithelial cells. No inflammatory cells in the mucus. No increased number inflammatory cells in the bronchial wall.

Eosinophilic granulocytes are not identified. The bronchial basal membrane, bronchial wall muscles and mucosal glands are unremarkable. The lung tissue around the large bronchus section has a small fresh hemorrhage; and around the smaller bronchus has several foci of black and yellow pigment deposits.

Polarized light exam is negative.

Liver: (1) No significant fatty changes, inflammation, necrosis or fibrosis.

Pancreas: (1) Autolyzed. No inflammation, necrosis, fibrosis or tumor.

Kidney: (1) The glomeruli, tubules and interstitium are unremarkable. The tubules have clear lumens. The renal artery seen is unremarkable.

Uterus: (1) Proliferative endometrium and normal myometrium.



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Thyroid: (1) The thyroid has normal variation of thyroid follicles and several distended colloid filled cysts. No inflammation, fibrosis or malignancy.

Brain, Hippocampi, Right and Left: (2) No pathological changes. The brain tissue has no inflammatory response (glial reaction or lymphocytes) and no neuronal inclusions. Mild post mortem artifacts of processing of brain tissue, pseudo brain tissue edema and pyknotic neurons.

The leptomeninges are free of cell infiltrates.

Aleksandar Milovanovic

Aleksandar Milovanovic, MD

Deputy Medical Examiner

AM/mk

August 5, 2009

Westchester County  
Dept. Labs/Research  
Valhalla, NY

For Investigational  
Purposes Only

SEX

AGE

COMMENT

PRINT 07/27/2009 15:48  
S.ID A1004E03,M09-1442.3

V.H.1

Test	Result	Flag	Unit		
glu	4		mg/dL	0	0
creat	0.5		mg/dL	0.0	0.0
BUN	15		mg/dL	0	0
Na	142		mmol/L	0	0
K	17.2		mmol/L	0.0	0.0
Cl	125		mmol/L	0	0

*[Handwritten signature]*