

ORANGE COUNTY SHERIFF-CORONER**1071 W. Santa Ana Blvd.****Santa Ana, CA 92703****Coroner Division****DECEDENT: SULLIVAN, James Owen****CASE NUMBER: 09-10581-SH****AGE: 28 Years****DOB: 2/9/1981****SEX: Male****RACE: White****PLACE OF DEATH: Decedent's residence****DATE/TIME OF DEATH: 12/28/2009 11:00 Est.****AUTOPSY DATE/TIME: 12/29/2009 10:59****PLACE OF AUTOPSY: Sheriff-Coroner Forensic Science Center
1071 W. Santa Ana Blvd.
Santa Ana, CA 92703****AUTOPSY ATTENDANTS: Araceli F. Reyes, OCCO
Michael S. Malchak, OCCO****CAUSE OF DEATH: Acute polydrug intoxication
Due to: Combined effects of oxycodone, oxymorphone, diazepam/nordiazepam and ethanol****OTHER CONDITIONS: Cardiomegaly****MANNER: Accident****CERTIFICATE ISSUED: 12/29/2009****AMENDMENT: 5/28/2010**

FSR


Richard I. Fukumoto, M.D.
Forensic Pathologist

ORANGE COUNTY SHERIFF-CORONER

1071 W. Santa Ana Blvd.

Santa Ana, CA 92703

Coroner Division

DECEDENT: SULLIVAN, James Owen

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CAUSE OF DEATH: Pending Investigation

OTHER CONDITIONS:

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AMENDMENT:



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**ORANGE COUNTY SHERIFF-CORONER
AUTOPSY REPORT****SULLIVAN, James Owen****09-10581-SH
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IDENTIFICATION: Height, 76 inches; weight, 210 pounds; putrefaction, absent; embalmed, no; hair, brown; eyes, blue; mouth, own teeth; development, well; nourishment, well; pallor, absent; rigor, present; algor, present; livor, present.

EXTERNAL DESCRIPTION: The body is that of a well-developed, well-nourished white male in his late 20s. The head is covered with brown hair measuring up to 12 inches. No trauma is noted in the scalp. The eyes are blue. Pupils are round, regular and equal. No petechial hemorrhages are seen. Own teeth are recognized. No trauma is noted in the nose, lips, gums or frenulum. Full mustache and beard are noted. Numerous tattoos are noted on the body, including elaborate design over the torso and upper extremities. The word "fiction" is vertically-oriented from the substernal notch to the navel. On the back is a tattoo with the name "Sullivan" and a large squared off "O" below it. EKG pads are on the torso and extremities. The abdomen is soft. No trauma is noted in the neck. No petechial hemorrhages are seen. No trauma to the extremities. The external genitalia are those of an adult male, circumcised. Tattoos are noted on the lower extremities. The nailbeds have a pinkish-blue appearance. No edema or trauma is noted. Lividity is posterior, reddish-purple and fixed. The body is rigid and cold to touch.

PRIMARY INCISION: The usual Y-shaped incision is made. The subcutaneous adipose tissue and musculature are well-developed. Panniculus adiposus measures up to 4.5 cm in thickness. The serous cavities contain a small amount of fluid. The lining is pink and glistening throughout. The major organs are in their usual anatomical positions. They are removed and examined. No rib fractures or puncture wounds are identified.

RESPIRATORY SYSTEM: The lungs are edematous. The left lung weighs 650 grams and the right, 870 grams. The pleurae are pink with anthracotic pigment. The lobes of the lungs are light pink to dark purple and markedly congested. Edema fluid exudes with pressure. No consolidation, abscess or tumor is seen. The lumen of the tracheobronchial tree contains mucus. The mucosa is

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hyperemic. The wall is unremarkable. The main pulmonary blood vessels are patent throughout.

CARDIOVASCULAR SYSTEM: The heart is somewhat enlarged, weighing 440 grams. The epicardium and endocardium are pink and glistening. The chambers are dilated, containing fluid and clotted blood. The valves are thin and glistening. Chordae tendineae are unremarkable. No vegetations are seen. Circumferential measurements are: aortic valve - 7 cm, pulmonic valve - 7.4 cm, mitral valve - 12 cm and tricuspid valve - 15 cm. The myocardium is red-brown and firm. The left ventricular wall measures 1.8 cm and the right ventricular wall, 0.5 cm. No old or recent infarction is seen. The coronary orifices are patent. The coronary arteries appear to be normal in location and distribution. Segmental section shows early atherosclerotic changes with no significant narrowing. The aorta exhibits minimal atherosclerotic changes. No aneurysm or thrombosis is seen. The inferior vena cava shows no evidence of antemortem blood clots.

SPLEEN: The spleen weighs 220 grams. The capsule is pink-gray and glistening. Cut sections show marked congestion with prominent lymphoid follicles. No significant mesenteric or porta hepatic lymphadenopathy is seen. There are occasional hilar lymph nodes with early anthracosis. No granuloma, abscess or tumor is present.

DIGESTIVE SYSTEM: The esophagus is unremarkable. The mucosa is gray. No esophageal varices are seen. The stomach contains 70 cc of aromatic liquid mucoid material. No ulcers are seen in the stomach or duodenum. The pylorus is patent. The small and large bowel show congestion. No diverticula are noted in the colon. Fecal material is seen. The appendix is identified. The mesentery and omentum are unremarkable.

HEPATOBIILIARY SYSTEM: The liver is enlarged, weighing 2950 grams. The capsule is pink-gray and glistening. The liver edges are somewhat rounded. The liver cuts with a somewhat softer consistency, presenting a somewhat yellow-tan appearance. It is quite fatty. No intrahepatic or extrahepatic bile duct obstruction



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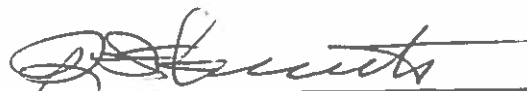
is seen. The gallbladder contains about 15 cc of green bile. The wall is thin. No calculi are noted. The cystic duct is patent.

PANCREAS: The pancreas weighs 120 grams and is somewhat edematous. On cut section it has a hemorrhagic appearance, but no fat necrosis is seen. The discoloration is throughout the pancreas.

GENITOURINARY SYSTEM: The left kidney weighs 200 grams and the right, 210 grams. The capsules strip with ease. The cortical surface is pale pink and smooth. Cut sections show good corticomedullary demarcation. The pyramids are congested. The lining of the pelves and calyces is glistening throughout. The ureters are not dilated. The urinary bladder contains 200 cc of clear yellow urine. The mucosa is hyperemic. The wall is unremarkable. The prostate gland cuts with a fibrous consistency, but appears normal size. Testicles are in the scrotum. Cut sections show the seminiferous tubules stretching out fairly well.

ENDOCRINE SYSTEM: The adrenal glands appear to be of normal size and shape. Cut sections show good corticomedullary demarcation with thin cortices. Congestion is seen. The thyroid gland weighs 20 grams. On cut section it has a lobulated, reddish-tan, congested appearance. No abnormal parathyroid tissue is seen.

HEAD: The head is opened in the usual fashion. No recent trauma is noted in the scalp. The calvarium is reflected. No fractures are noted in the bony structures. The dura mater is tense. The subarachnoid fluid is clear. No epidural or subdural hemorrhage is seen. The brain weighs 1530 grams. The cerebral hemispheres are symmetrical and equal in size. The sulci and gyri reflect swelling with flattening of the gyri and narrowing of the sulci. The leptomeninges are pink and glistening. The brainstem is midline. The vessels in the circle of Willis show no thrombosis or aneurysm. Section through the optic chiasm shows good differentiation between somewhat dusky cortex and white matter. The basal ganglia are firm. The ventricles are symmetrically equal in size, containing clear fluid. No recent infarction, intracerebral hemorrhage or tumor formation is seen.



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The brainstem and cerebellum show congestion. The pituitary gland is unremarkable. No fractures are noted at the base of the skull.

NECK ORGANS: The neck organs are removed. No trauma is noted in the soft tissues. No fractures are noted in the larynx or tracheal ring. The mucosa is hyperemic. No obstruction is noted in the larynx or trachea. The tongue shows no trauma. The thyroid gland is unremarkable.

MUSCULOSKELETAL SYSTEM: No fractures are noted in the ribs, vertebrae or long bones. The bone marrow is moist and red. No significant hemorrhage is noted in the ribcage or paravertebral soft tissues.

TOXICOLOGICAL SPECIMENS TAKEN: Heart blood, peripheral blood, stomach contents, liver, urine, brain and vitreous fluids obtained.

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GROSS FINDINGS

1. Liquid mucoid stomach contents with aromatic odor.
2. Acute pulmonary edema.
3. Acute congestion of viscera.
4. Cardiomegaly.
5. Fatty liver.
6. Questionable hemorrhagic pancreas.
7. Early brain swelling.



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SULLIVAN, James Owen

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COUNTY OF ORANGE

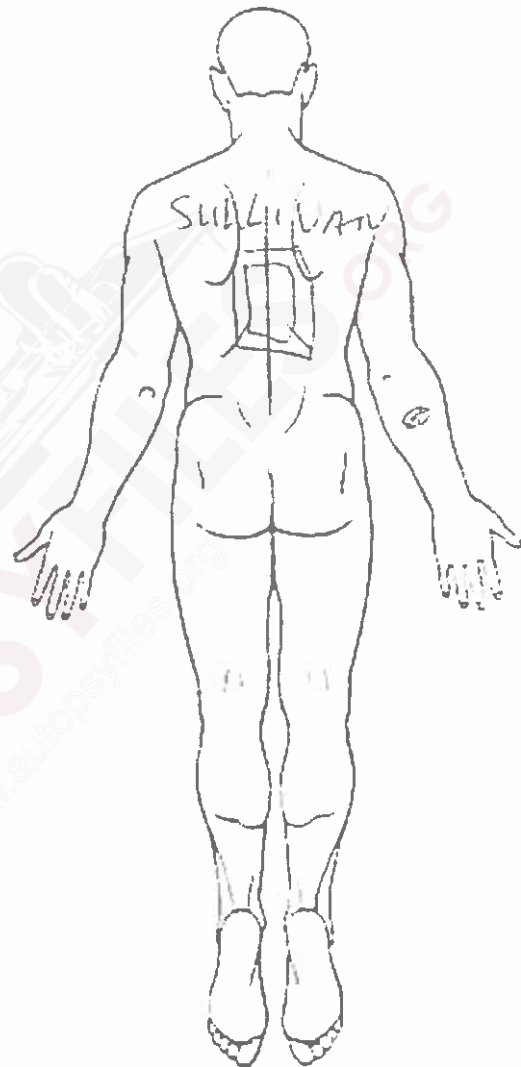
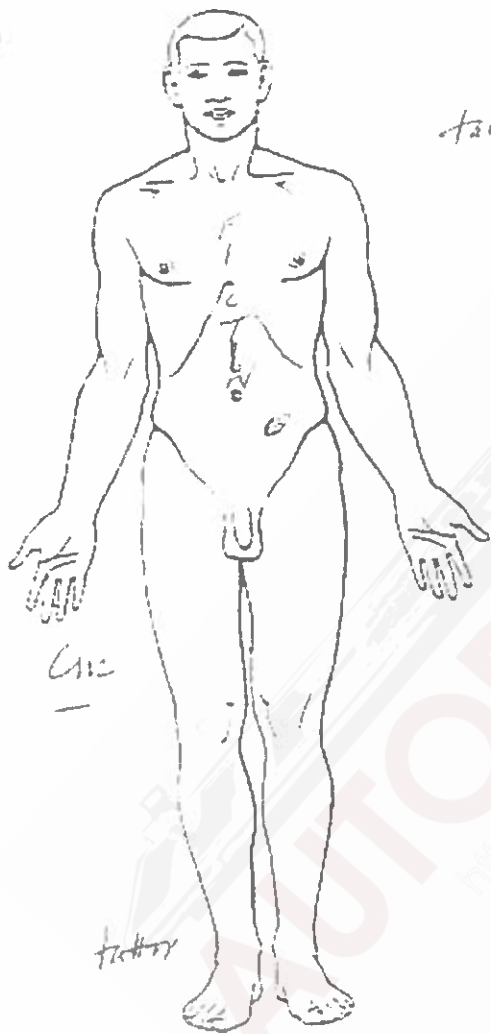
SHERIFF-CORONER

Br - 131
feet

AUTOPSY RECORD

Moustache
beard**09-10581-SH**

SULLIVAN, James

28 yrs. old

**ORANGE COUNTY SHERIFF-CORONER
HISTOLOGY REPORT****SULLIVAN, James Owen****09-10581-SH
Page 1****MICROSCOPIC EXAMINATION**

- LUNG:** Section shows edema and marked hyperemia with desquamated epithelium and alveolar cells. Patchy hemorrhage is seen. There is also evidence of interstitial and pleural fibrosis. Bronchi show desquamated epithelium with occasional inflammatory cells. Prominent basement membrane is seen. No malignancy is noted.
- HEART:** Section shows hypertrophy of the myocardial fibers. Interstitial fibrosis is noted. No necrosis or acute inflammation is seen. Postmortem change is noted.
- THYROID GLAND:** There is adequate colloid formation and congestion. No acute inflammation is seen.
- SPLEEN:** Section shows marked acute congestion. The lymphoid follicles are unremarkable.
- LIVER:** Section shows marked steatosis with early fibrosis and occasional round cells. No malignancy is seen.
- PANCREAS:** Marked autolysis is noted.
- ADRENAL GLAND:** Autolysis and congestion are noted. Adrenal cortical cells show vacuolization.
- KIDNEYS:** Autolysis and congestion are noted. No necrosis or acute inflammation is noted. No malignancy is seen.
- BRAIN:** Section shows increased perivascular and perineural spaces. Acute congestion is seen. No necrosis or inflammation is present.

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HISTOLOGY REPORT**

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COMMENT:

The microscopic examination essentially exhibits nonspecific changes with acute congestion and postmortem changes. Pulmonary edema is seen along with myocardial hypertrophy. Marked hepatosteatorosis is present. The possibility of chemical intoxication must be ruled out through the analysis of fluids and tissues submitted.

Four slides examined.



OC CRIME LAB
County Executive Office - District Attorney - Sheriff

TOXICOLOGICAL EXAMINATION REPORT



R396116
10-40042
PMTox
Original

FR NUMBER: 10-40042 **CORONER CASE NUMBER:** 09-10581SH
NAME OF DECEASED: SULLIVAN, James Owen
INVESTIGATOR: SHEARER / FUKUMOTO **AGE:** 28 Year(s) **SEX:** Male

SPECIMENS SUBMITTED: ☒ Postmortem Blood ☐ Brain ☐ Stomach Contents ☐ Urine
☐ Antemortem Samples ☐ Liver ☐ Vitreous Humor ☐ Peripheral Blood
Other Specimens:

BLOOD RECEIVED BY: Lehman
TISSUE RECEIVED BY:

FROM: Fritch
FROM:

Page 1 of 1

A sample was removed for testing from each matrix listed.

Drug	Matrix	Method	Results and Interpretations	Scientist
<i>Findings</i>				
Ethanol	Postmortem Blood	Headspace/GC	0.21 %	DTE/KES
Oxycodone (Free)	Postmortem Blood	LCMSMS	0.044 mg/L	MJS
Oxymorphone (Free)	Postmortem Blood	LCMSMS	0.007 mg/L	MJS
Diazepam, Nordiazepam, Temazepam	Postmortem Blood	LCMSMS	Detected	BJH/DCM
Diazepam, Nordiazepam	Postmortem Blood	GC/FID-GC/MS	Detected	QTD
Diazepam, Nordiazepam, Oxycodone	Postmortem Blood	GC/NPD-GC/MS	Detected	SAM

Examinations

Ethanol/Volatiles	Postmortem Blood	Headspace/GC	See Findings	DTE/KES
Benzodiazepines	Postmortem Blood	Immunoassay	See Findings	DCM
Cocaine and/or Metabolite	Postmortem Blood	Immunoassay	Negative	KES/JLC
Phenethylamines	Postmortem Blood	Immunoassay	Negative	KES/JLC
Opiates	Postmortem Blood	Immunoassay	Negative	KES/JLC
Cannabinoids	Postmortem Blood	Immunoassay	Negative	KES/JLC
Oxycodone (Free), Oxymorphone (Free)	Postmortem Blood	LCMSMS	See Findings	MJS
Hydrocodone, Hydromorphone(Free)	Postmortem Blood	LCMSMS	Not Detected	MJS
Alkaline Drugs	Postmortem Blood	GC/NPD-GC/MS	See Findings	SAM
Benzodiazepines	Postmortem Blood	LCMSMS	See Findings	BJH/DCM
Weak Acid/Neutral Drugs	Postmortem Blood	GC/FID-GC/MS	See Findings	QTD
Strong Acid/Neutral Drugs	Postmortem Blood	HPLC/UV	None Detected	RDB
GHB	Postmortem Blood	GC/MS	Not Detected	QTD

LIMS
Rev (2/6)

TR 03/25/10 AR *bc*
3/30/10

Forensic Scientist: *Mary Stanford* STANFORD

Mar 25 2010

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RFF MEDICAL GROUP
1240 STATE COLLEGE #135
ANAHEIM, CA. 92806

PATIENT NAME

SULLIVAN, JAMES

DOB

SEX ID NO.

09-10581-SH

ACCESSION NO.

99272107

DRAWN DATE

RECEIVED DATE

TIME

REPORT DATE

TIME

12/30/09

12/30/09

12/31/09

12:41

PHYSICIAN

PAGE

1

RESULTS

NORMAL

ABNORMAL

REPORT MESSAGE: SRC = VITREOUS

SMA 20

GLUCOSE

BUN (S)

SODIUM

POTASSIUM

CHLORIDE

CALCIUM

PHOSPHORUS

CO2 TOTAL

CREAT. (S)

SGOT (AST)

SGPT (ALT)

BILIRUBIN DIRECT

ALKALINE PHOSPH.

L	24
10.1	
145	
H	11.1
H	123
L	6.4
3.9	
L	12
L	0.49
18	
L	2
L	0.01
L	1

MG/DL	65 - 110
MG/DL	7.0 - 25.0
MEQ/L	135 - 146
MEQ/L	3.5 - 5.3
MEQ/L	98 - 113
MG/DL	8.5 - 10.6
MG/DL	2.5 - 5.0
MEQ/L	21 - 31
MG/DL	0.6 - 1.3
IU/L	13 - 39
IU/L	7 - 52
MG/DL	0.03 - 0.25
IU/L	34 - 104

* * * CALL SUMMARY * * *

FINAL REPORT

DIRECTORS AND PATHOLOGIST

PARVIZ BAHADORI, Ph.D., BCLD(ABB)
 KHODADAD MEHRAEIN, M.D. PATHOLOGIST