



**MIAMI-DADE COUNTY  
MEDICAL EXAMINER DEPARTMENT**

Number One on Bob Hope Road  
Miami, FL 33136  
Phone (305) 545-2400 Fax (305) 545-2439



**LONDON, Kizzy  
December 15, 2017... 8:45 A.M.**

**Case No. 2017-03740**

**CAUSE OF DEATH:**

Fat Embolism Associated with Liposuction and Fat Transfer

**Noel R. Agudo, M.D.  
Associate Medical Examiner**

**Emma O. Lew, M.D.  
Chief Medical Examiner**

*NOTE: The cause of death is based on the totality of the investigative data to date, which may not be included in the autopsy or external examination protocol.*

**THE MIAMI-DADE COUNTY MEDICAL EXAMINER DEPARTMENT, MIAMI, FLORIDA**

**LONDON, Kizzy.....December 15, 2017... 8:45 A.M.....Case No. 2017-03740**

**AUTOPSY PROTOCOL**

**ATTENDEES:**

FORENSIC TECHNICIAN: Kristina Ingram  
PHOTOGRAPHER: Heidi Nichols

**EXTERNAL EXAMINATION:**

The body is that of a normally developed, obese, 5 foot 10 inch, 212 pound, black woman who appears compatible with the reported age of 40 years. The body mass index (BMI) is 30 kilograms per meter-squared. The body is refrigerated and well-preserved. A green plastic band around the left ankle has the inscription "263440."

The scalp has wavy, black hair in a normal distribution. The irides are brown and the corneas are clear. The sclerae are white. The conjunctivae are clear and have no petechiae. The ears, nose, and mouth are normally formed. The external auditory canals are unremarkable. The nasal bones and nasal septum are intact. The lips are not injured. The frenula are not lacerated. The teeth are natural and in good condition.

The neck and chest are symmetrical. The nipples and breasts have no palpable masses. The abdomen is round and soft. Multiple, flesh-colored striae are on the abdomen and flanks. The back and buttocks are symmetrical and have no deformities. The external genitalia are those of a fully developed, adult female. The anus is unremarkable.

The bilateral upper and lower extremities are symmetrical and have no palpable fractures. The arms have no track marks. The wrists have no scars. The hands and feet are symmetrical, and the nails are intact.

**EVIDENCE OF MEDICAL INTERVENTION:**

An oxygen sensor strip is on the forehead. An endotracheal tube protrudes from the mouth and terminates in the distal trachea. Electrocardiogram leads are adhered to the chest, abdomen, and bilateral lower extremities. Catheters extend from the right antecubital fossa, posterior surface of the right hand, and left inguinal area. Intraosseous catheters extend from the bilateral tibiae. A drainage tube containing 60 milliliters of serosanguineous fluid extends from the right inguinal area. A hospital identification bracelet is around the left wrist.

Abrasions on the chest are 7 x 0.5 centimeter, 9.5 x 4 centimeter, and 3 x 0.5 centimeter.

**TATTOOS:**

A tattoo of a fleur-de-lis is on the upper aspect of the back. A tattoo of the inscription "Kizzy" is on the lower aspect of the back.

**THE MIAMI-DADE COUNTY MEDICAL EXAMINER DEPARTMENT, MIAMI, FLORIDA**

**LONDON, Kizzy.....December 15, 2017... 8:45 A.M.....Case No. 2017-03740**

**AUTOPSY PROTOCOL**

**EVIDENCE OF SURGERY:**

Incised wounds on the abdomen are 0.7 x 0.1 centimeter, 0.9 x 0.1 centimeter, 0.4 x 0.1 centimeter, 0.4 x 0.1 centimeter, and 1.2 x 0.1 centimeter, respectively. Ecchymotic areas of subcutaneous liposuction are in the mid to lower abdomen. A 1.2 x 0.1 centimeter incised wound is on the mid back; this appears to be another area of subcutaneous liposuction.

Incised wounds on the buttocks are 1 x 0.1 centimeter, 0.9 x 0.5 centimeter, and 1 x 0.1 centimeter, respectively. There is ecchymosis into the subcutaneous adipose tissue underlying the incised wounds of the buttocks, to a maximum depth of 5 centimeters. The wound tracks from the incised wounds of the buttocks extend to a depth of 7 centimeters on the right side, 1.7 centimeters in the middle, and 8 centimeters on the left side. Over 100 milliliters of loose adipose tissue are distributed through the superficial and deep muscles of the right buttock; 300 milliliters of loose adipose tissue are distributed through the superficial and deep muscles of the left buttock. A 0.4 x 0.3 centimeter area of hemorrhage is on an inferior gluteal vessel adjacent to the sciatic nerve within the right buttock.

**INTERNAL EXAMINATION:**

The scalp has no hemorrhages or contusions. The cranium and skull base have no fractures. The cranial vault has no epidural or subdural hemorrhage. The leptomeninges are thin and delicate. The 1180 gram brain is symmetrical, and the cerebrum has normal gyral configuration. The cranial nerves and vessels at the base of the brain are normally positioned and formed. The vessels of the circle of Willis have no atherosclerosis or aneurysms. The ventricles are unremarkable. The cerebral cortical ribbon is well-demarcated from the white matter. The deep gray nuclei have no pathologic abnormalities. The substantia nigra and locus coeruleus are normally pigmented. The subcortical and deep white matter have no pathologic abnormalities. The cerebellum, brainstem, and cervical spinal cord are intact and have no pathologic abnormalities.

The anterior muscles of the neck are free of hemorrhage. The hyoid bone and laryngeal cartilages have no fractures. The large vessels of the neck are unremarkable. The pharynx and larynx have no obstructing foreign bodies or abnormal secretions. The epiglottis and vocal cords are unremarkable.

The peritoneal cavity has 300 milliliters of serosanguineous fluid. The right and left pleural cavities, and pericardial sac have no abnormal collections of fluid or adhesions. The diaphragm is intact and the organs of the thorax and abdomen are in their normal anatomic locations.

The 350 gram heart has a smooth epicardial surface and normal epicardial adipose tissue. The coronary ostia are normally positioned and are patent. The coronary arterial circulation is right dominant. The coronary arteries have normal anatomic courses. The left main, left anterior descending, left circumflex, and right coronary arteries are thin-walled and patent. The four-chambered heart has a normal configuration. The cardiac chambers are not dilated. The myocardium of the posterior right ventricle has a 0.4 x 0.3 centimeter irregular red discoloration. The remaining

**THE MIAMI-DADE COUNTY MEDICAL EXAMINER DEPARTMENT, MIAMI, FLORIDA**

**LONDON, Kizzy.....December 15, 2017... 8:45 A.M.....Case No. 2017-03740**

**AUTOPSY PROTOCOL**

myocardium is uniformly red-brown and has no fibrosis or pallor. The left ventricular free wall, right ventricular free wall, and interventricular septum are 1.4 centimeters, 0.4 centimeter, and 1.4 centimeters thick, respectively. The interatrial and interventricular septa are normally developed. The fossa ovalis is closed. The mural and valvular endocardium is thin and transparent. A 2.5 x 2 x 1 centimeter fat embolus is within the suprarenic inferior vena cava, and numerous several-millimeter globules of fat are admixed in the blood within the heart. A 3 x 2 x 1 centimeter fat embolus is within the right atrium. Fragments of adipose tissue are within the right ventricle and pulmonic valve. The papillary muscles and chordae tendineae are unremarkable. The cardiac valves are thin, pliable, and free of vegetations and calcifications. The tricuspid valve, mitral valve, pulmonic valve, and aortic valve are 12 centimeters, 10.5 centimeters, 5 centimeters, and 5 centimeters in circumference, respectively. The thoracoabdominal aorta has a normal caliber and no aneurysms. The intima has minimal patchy fatty streaks and no atherosclerosis. The venae cavae have normal anatomic courses and are free of thrombi.

The right and left lungs are 460 grams and 360 grams, respectively. The pleural surfaces are smooth. The boggy pulmonary parenchyma is dark red-purple and has no masses, granulomata, or discrete areas of consolidation. Multiple fat emboli are within the small vessels of the lung parenchyma. The lumina of the right and left pulmonary arteries have small amounts of fragmented adipose tissue. The trachea and bronchi are patent and have no foreign bodies or obstructions.

The 1760 gram liver has a smooth and intact capsule. The parenchyma is red-brown and soft. The gallbladder is not identified. The vessels of the porta hepatis are unremarkable. The pancreas has lobular, tan-brown parenchyma and no masses.

The tongue has no contusions or bite marks. The serosal and mucosal surfaces of the esophagus are unremarkable. The serosal surface of the stomach has a moderate amount of hemorrhage overlying the lesser curvature. The stomach contains approximately 150 milliliters of red-brown liquid, and no pill fragments. The mucosa of the stomach is tan, and has normal rugal folds, and no ulcers or masses. The serosal surfaces and calibers of the small intestine and large intestine are normal and have no palpable obstructions or masses. The appendix is unremarkable. The rectum contains soft, green-brown stool, and its mucosa is unremarkable.

The 130 gram spleen has a smooth capsule. The parenchyma is dark, red-purple, homogeneous, and soft. The bone marrow of the ribs is red and of normal consistency. The lymph nodes of the neck, thorax, abdomen, and pelvis are unremarkable.

The right and left kidneys are 140 grams, each. The capsules are thin and the cortical surfaces are smooth. The renal parenchyma is red-brown, and has well-defined corticomedullary junctions, and no masses. The renal vessels are patent. The pelvicalyceal systems are unremarkable. The ureters have normal courses and calibers to the urinary bladder. The bladder has approximately 35 milliliters of urine. The mucosa of the bladder is tan-white and trabeculated. The uterus has a slit-like external cervical os. The serosal surface of the uterus is shiny and smooth. The endometrium is thin and beige. The vaginal mucosa, left ovary and fallopian tube, and right ovary and fallopian tube are unremarkable.

**THE MIAMI-DADE COUNTY MEDICAL EXAMINER DEPARTMENT, MIAMI, FLORIDA**

**LONDON, Kizzy.....December 15, 2017... 8:45 A.M.....Case No. 2017-03740**

**AUTOPSY PROTOCOL**

The pituitary gland is not enlarged. The thyroid gland is normal in size and shape. The thyroid parenchyma is homogeneous and red-purple. The parathyroid glands are inconspicuous. The adrenal glands have normal orange cortices and brown medullae.

The skeletal muscles of the thorax, abdomen, and pelvis are red and soft. The clavicles, sternum, ribs, vertebral bodies, and pelvis have no acute fractures.

**AUTOPSY FINDINGS:**

1. Fat emboli in heart and lungs
2. Hemorrhage of right inferior gluteal vessel
3. Status post liposuction and fat transfer
4. Right ventricular myocardial hemorrhage
5. Gastric serosal hemorrhage
6. Serosanguinous fluid accumulation in peritoneal cavity (300 milliliters)
7. Probable remote cholecystectomy
8. Chest abrasions, associated with cardiopulmonary resuscitation
9. Obesity (BMI: 30 kilograms per meter-squared)

**TISSUES SUBMITTED FOR HISTOLOGY:**

Heart, lung, liver, and kidney



**Noel R. Agudo, M.D.  
Associate Medical Examiner**



**Emma O. Lew, M.D.  
Chief Medical Examiner**

**Date: December 19, 2017**