

Table 1. 18 Procedure-related office surgery deaths in Florida. 3/1/00 – 3/1/07

| Case # Raw # Date | Patient problem | Surgical Procedure | Complication | Provider | Anesthesia | Anes Prob? | Outcome | Facility Accredited? | Board Cert? | Hosp Priv.? |
|-------------------------|---------------------------------------|--|--|----------------------------|--------------------------------------|------------|---|----------------------|-------------|-------------|
| 1 3 4/12/00 | Obesity | Abdominoplasty, Liposuction | Shortness of breath at home following day | Plastic Surgeon | General by CRNA | No | To hospital, death from pulmonary embolus | AAAASF | Y | Y |
| 2 4 4/14/00 | Hypertrophic breast | Breast reduction | Bronchospasm during induction | Plastic Surgeon | General by MD anesthesiologist | Yes | To hospital, death | No | Y | Y |
| 3 11 6/6/00 | Abdominal deformity | Abdominoplasty | Shortness of breath following day, pulmonary embolus | Plastic Surgeon | General by MD anesthesiologist | No | To hospital, cardiac arrest, death | No | Y | Y |
| 4 20 6/26/00 | Facial dystrophy | Rhinoplasty, chin implant | Bradycardia | Facial Plastic Surgeon | Intravenous sedation by CRNA | Yes | To hospital, death | No | Y | Y |
| 5 32 8/29/00 | Unwanted pregnancy | Termination of pregnancy | Anaphylaxis, cardiac arrest, death | OB/GYN | Local | Yes | To hospital, death | No | Y | Y |
| 6 34 9/15/00 | End stage renal disease | Hemodialysis catheter placement | Unstable blood pressure after procedure | Interventional Radiologist | Local | No | To hospital, death | AAAHC | Y | Y |
| 7 62 2/13/01 | Lipodystrophy of abdomen/hips | Liposuction, laser resurfacing | Death autopsy pending | Plastic Surgeon | General by CRNA | No | Death that night at home | AAAASF | Y | Y |
| 8 102 6/8/01 | Poor dialysis catheter | Dialysis catheter replacement | Shortness of breath Hypotension, death | Interventional Radiologist | Local | No | To hospital, death | No | Y | Y |
| 9 137 11/29/01 | Rectal bleeding | Colonoscopy | Cardio-pulmonary distress, low blood pressure | Gastroenterologist | Intravenous sedation by operating MD | No | Emergency surgery, death soon after | No | Y | Y |
| 10 152 2/4/02 | Hemoccult positive stool | Upper endoscopy, colonoscopy | Pharyngeal/esophageal perforation | Gastroenterologist | Intravenous sedation by operating MD | No | Taken to hospital, corrective surgery, death 8 days later | No | Y | Y |
| 11 174 4/2/02 | Jaundice | Liver Biopsy | Internal bleeding | Interventional Radiologist | Local | No | To hospital, death | No | Y | Y |
| 12 193 7/29/02 | Cosmetic surgery | Facelift | Cardio-pulmonary arrest in office | Plastic Surgeon | Intravenous sedation by operating MD | Yes | To hospital, death | AAAASF | Y | Y |
| 13 191 8/7/02 | Cosmetic surgery/ hernia repair | Neck lift, abdominoplasty, hernia repair | Collapsed 2 days later, pulmonary embolus | Plastic Surgeon | General by MD anesthesiologist | No | Pulmonary embolus, Death | AAAHC | Y | Y |
| 14 236 3/21/03 | Unwanted pregnancy | Termination of pregnancy | Amniotic fluid embolism | OB/GYN | IV sedation by operating MD | No | Transported to hospital, deceased | No | Y | Y |
| 15 280 5/12/03 | Excess abdominal skin & muscle laxity | Abdominoplasty & liposuction | Pulmonary embolism | Plastic surgery | General by MD Anesthesiologist | No | Deceased at home post-op day 1 | AAAASF | Y | Y |
| 16 262 9/25/03 | Hypotrophic breasts | Breast implant | Rapid bradycardia | Cosmetic surgeon | IV sedation by operating MD | Yes | Deceased on table in office | No | Y | N |

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| 17 265 11/13/03 | Brow Ptosis, recessive chin | Liposuction sub- mental area/ Bleparoplasty | Deceased 24hrs after surgery at home for unknown cause | Plastic Surgery | General by MD Anesthesiologist | No | Deceased following day unknown cause | No | Y | Y |
| 18 268 11/24/03 | Fat excess abdomen | Liposuction & fat transfer | Fat embolism | Plastic Surgery | General by MD anesthesiologist | No | Deceased 9 days post-op at home | AAAASF | No | Y |
| 19 270 1/7/04 | Macromastia | Abdominoplasty, breast reduction | Respiratory/Renal failure post-op | Plastic Surgery | General by MD anesthesiologist | Yes | Transported hospital, deceased 3 days post-op | No | Y | Y |
| 20 4/13/04 | Lipodysmorphism | Liposuction | Cardiorespiratory arrest | Plastic Surgeon | IV sedation CRNA | No | Death in evening at facility | No | Y | Y |
| 21 5/4/04 | Coronary Artery Disease | Cardiac Catheterization | Cardiorespiratory arrest | Cardiologist | Local | No | Transfer to hospital, death | AAAHC | Y | Y |
| 22 8/1/04 | Abdominal lipodystrophy | Abdominoplasty | Cardiorespiratory arrest at home due to deep vein thrombus | Plastic surgeon | General by MD anesthesiologist | No | To hospital 3 days later, death | No | Y | Y |
| 23 11/18/04 | Lipodystrophy with redundant skin | Liposuction/ Abdominoplasty | Pulmonary edema | Plastic surgeon | General by MD anesthesiologist | No | Discharged home, to hospital in evening, death at hospital | No | Y | Y |
| 24 9/28/04 | Bilateral Renal Calculi | Shock wave lithotripsy | Cardiorespiratory arrest at home | Nephrologist | General by MD anesthesiologist | No | Discharged home, death in evening | JACHO | Y | Y |
| 25 9/29/04 | Severe CAD, Carotid Stenosis | Cardiac Catheterization | Cardiacrespiratory arrest on the table | Cardiologist | Local | No | Death on the table in office | JACHO | Y | Y |
| 26 4/15/05 | Chest pain , SDB | Cardiac catheterization, intravascular ultrasound | Dissection of distal left main ostium of LAD and proximal portion of circumflex coronary artery | Cardiologist | Local | No | Transfer to hospital, death | No | Y | Y |
| 27 11/1/05 | Lung Cancer, Bronchopleural Fistula | Stent placement | Unknown | Radiologist | IV sedation by MD anesthesiologist | No | Transfer to hospital, death | No | Y | Y |
| 28 4/19/06 | Fractured mandible | Fixation of fractured mandible | Allergic reaction | Oral and Maxilllofacial surgeon | IV sedation by operating MD | Yes | Transfer to hospital, never regained consciousness, removed from life support 4 days later | No | No | Y |
| 29 6/15/06 | Cosmetic Surgery | Facelift, minibreast lift, abdominoplasty | Pulmonary embolus | Plastic Surgeon | Unknown | No | Pulmonary embolus and death 3 days post-op | No | Y | No |

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| 30 11/13/06 | Abdominal and upper arm lipodystrophy | Liposuction | Pulmonary embolus | Plastic Surgeon | General by MD anesthesiologist | No | Transfer to hospital, death | AAAASF | Y | Y |
| 31 11/16/06 | Nasal deformity | Septorhinoplasty | Bradycardia | Oral and Maxillofacial Surgeon | IV Sedation by operating MD | Yes | Transfer to hospital, death following morning | AAAHC | Y | Y |

Table 2. Office procedures resulting in hospital transfer in Florida. 3/1/00 – 3/1/06.

| Case # | Patient problem | Surgical Procedure | Complication | Provider | Anesthesia | Anes Prob? | Outcome | Facility Accredited? | Boa rd Cert .? | Hos p Priv .? |
|---------------------|-------------------------|-----------------------------------|--|------------------------|---|------------|---|----------------------|----------------|---------------|
| 1 1 2/10/00 | Pregnancy | Termination of pregnancy | Uterine perforation | OB/GYN | Pudendal block by CRNA | No | To hospital, recovered | No | Y | Y |
| 2 12 2/22/00 | Skin Cancer | Excision of skin cancer | 2 nd degree burn of face | Dermatologist | Intravenous sedation by CRNA | No | To hospital, burns healed | No | No | Y |
| 3 5 4/21/00 | Facial laxity | Facelift | Hematoma | Facial Plastic Surgeon | Intravenous sedation by MD anesthesiologist | No | To hospital, recovered | AAAHC | Y | Y |
| 4 15 6/21/00 | Abdominal Lipodystrophy | Liposuction | Acute congestive heart failure, cardiomyopathy | Plastic Surgeon | General by CRNA | No | To hospital, discharged 3 days later | AAAASF | Y | Y |
| 5 14 6/22/00 | Internal Hemorrhoids | Hemorrhoidal artery ligation | Lost needle, vasovagal rxn | Vascular Surgeon | Topical | No | To hospital, no death | No | Y | Y |
| 6 17 6/27/00 | Lipodystrophy | Cosmetic Liposuction | Low BP in recovery | Plastic Surgeon | General by MD anesthesiologist | No | Discharged hospital next day | AAAHC | Y | Y |
| 7 16 6/30/00 | Cosmetic breast | Mastopexy/ Augmentation | Pneumothorax | Plastic Surgeon | General by CRNA | No | To hospital, discharged next day | JCAHO | Y | Y |
| 8 22 7/10/00 | Cosmetic liposuction | Liposuction, breast augmentation. | Bronchospasm on extubation | Plastic Surgeon | General by MD anesthesiologist | No | To hospital. Recovered | AAAHC | Y | Y |
| 9 23 7/14/00 | Nasal deformity | Rhinoplasty | Bronchospasm after procedure | Plastic Surgeon | General by MD anesthesiologist | No | To hospital discharged from hospital 2½ hours | AAAASF | Y | Y |
| 10 21 7/18/00 | Liposuction/ Eye lift | Liposuction/ Blepharoplasty | Myocardial infarction | Plastic Surgeon | General by MD anesthesiologist | No | To hospital. Recovered | AAAHC | Y | Y |
| 11 29 8/15/00 | Fetal demise | Termination of pregnancy | Asystole, amniotic fluid embolus | OB/GYN | Intravenous sedation by operating MD | No | To hospital, recovered | No | Y | Y |

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|----------------------|---------------------------|--------------------------------|---|----------------------------|---|-----|-------------------------------------|--------|---|---|
| 12 35 9/19/00 | Pregnancy | Pregnancy termination | Uterine perforation | OB/GYN | Regional block | No | To hospital, no death | No | Y | Y |
| 13 36 9/19/00 | Facial laxity | Rhytidectomy | Hematoma, recurrent | Facial Plastic Surgeon | General by CRNA | No | To hospital, no death | AAAHC | Y | Y |
| 14 37 9/19/00 | Gynecomastia | Liposuction/ Excision | Hematoma/ low BP | Plastic Surgeon | Intravenous sedation by CRNA | No | To hospital, recovered | AAAASF | Y | Y |
| 15 38 9/29/00 | GI bleed/ Ventral hernia | Virtual colonoscopy | Bowel perforation at hernia | Interventional Radiologist | Intravenous sedation by operating MD | No | To hospital, recovered | No | Y | Y |
| 16 39 10/31/00 | Cosmetic breasts | Breast augmentation | Pneumothorax Post-operative | Plastic Surgeon | Intravenous sedation by CRNA | No | To hospital, discharged 4 hrs later | AAAASF | Y | Y |
| 17 41 11/08/00 | Cosmetic liposuction | Liposuction | Low PO2, no symptoms | Plastic Surgeon | General by MD anesthesiologist | No | To hospital, recovered | AAAASF | Y | Y |
| 18 46 11/20/00 | Breast surgery | Breast surgery | Possible early malignant Hyperthermia | Plastic Surgeon | General by MD anesthesiologist | Yes | To hospital, recovered | AAAASF | Y | Y |
| 19 47 11/30/00 | Circumcision | Routine circumcision | Accidental cut of glans penis | OB/GYN | None | No | To hospital, repaired same day | No | Y | Y |
| 20 67 2/12/01 | Basal cell cancer | Excision of skin cancer | Possible TIA | Plastic Surgeon | Local | No | To hospital, no death | No | Y | Y |
| 21 82 4/10/01 | Lipodystrophy | Liposuction | Gastric aspiration, laryngospasm | Plastic Surgeon | Intravenous sedation by MD anesthesiologist | Yes | To hospital, no death | AAAASF | Y | Y |
| 22 92 5/01/01 | Breast implant | Breast implant | Pneumothorax | Plastic Surgeon | General by CRNA | No | To hospital, no death | AAAASF | Y | Y |
| 23 85 5/12/01 | Infertility | Oocyte retrieval | Chest pain, SOB, no cause found | OB/GYN | Intravenous sedation by MD anesthesiologist | No | To hospital, no death | No | Y | Y |
| 24 89 5/16/01 | Breast implant | Breast implant | Pneumothorax | Plastic Surgeon | General by MD anesthesiologist | No | To hospital, no death | AAAASF | Y | Y |
| 25 88 5/17/01 | Azospemia | Vasectomy reversal | Pulse rate increased | Urologist | Intravenous sedation by CRNA | ? | To hospital, no death | JCAHO | Y | Y |
| 26 100 6/15/01 | Hematuria, Foley removal | Office cystoscopy | Syncopal episode | Urologist | Local | No | To hospital, no death | No | Y | Y |
| 27 101 6/15/01 | Undesired pregnancy | Termination of pregnancy | Uterine perforation with sigmoid colon tear | OB/GYN | Intravenous sedation by operating MD | No | To hospital, no death | No | Y | Y |
| 28 105 6/19/01 | Ptosis – Blepharochalasis | Blepharoplasty | Hypoxia s/p extubation, obtunded | Plastic Surgeon | General by CRNA | Yes | To hospital, discharged next day | AAAHC | Y | Y |
| 29 81 7/30/01 | Lipodystrophy | Liposuction | Low blood pressure in recovery | Plastic Surgeon | General by MD anesthesiologist | No | Discharged next day | AAAHC | Y | Y |
| 30 111 8/3/01 | Wrinkles | Laser peel, eyelid & neck lift | Respiratory failure/acute pulmonary edema | Plastic Surgeon | General by MD anesthesiologist | Yes | To hospital, no death | AAAASF | Y | Y |
| 31 115 8/16/01 | Excess abdominal skin | Abdominoplasty | Premature ventricular contractions on induction | Plastic Surgeon | Intravenous sedation by CRNA | ? | To hospital, no death | No | Y | Y |

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|-----------------------|------------------------------------|---|---|--------------------|---|-----|-------------------------------------|--------|---|---|
| 32 139 12/21/01 | Lipodystrophy | Liposuction | Vasovagal on discharge from office | Dermatologist | General by CRNA | No | To hospital, discharged next day | AAAHC | Y | Y |
| 33 142 1/15/02 | Lax anterior abdomen | Abdominoplasty | Urinary retention/stricture | Plastic Surgeon | General by CRNA | No | To hospital, discharged same day | AAAASF | N | Y |
| 34 162 3/19/02 | Colonic polyp | Colonoscopy | Chest abdominal pain | Gastroenterologist | Intravenous sedation, by operating MD | No | To hospital, no death | No | Y | Y |
| 35 167 3/21/02 | Cosmetic breast augmentation | Breast augmentation | Ventricular tachycardia | Plastic Surgeon | Intravenous sedation by CRNA | Yes | To hospital, no death | AAAASF | Y | Y |
| 36 201 3/22/02 | Heme positive stool | Colonoscopy | Perforated colon during colonoscopy | Gastroenterologist | IV sedation by operating MD | No | To hospital, no sequelae | No | Y | Y |
| 37 173 3/26/02 | Infertility | Aspiration of ovary | Hemorrhage; cardiac arrest | OB/GYN | Intravenous sedation by MD anesthesiologist | No | To hospital, no death | No | Y | Y |
| 38 183 5/14/02 | Basal cell carcinoma | Excision of skin cancer | Atrial fibrillation 2 hours following procedure | Dermatologist | Local (0.4 cc 2% lido) | No | Drove self to hosp. No admission | No | Y | Y |
| 39 185 6/11/02 | Colonic polyp | Colonoscopy | Bleeding during polyp removal | Gastroenterologist | Intravenous sedation, by operating MD | No | To hosp, no death | No | Y | Y |
| 40 196 8/8/02 | Abdominal laxity | Abdominoplasty | Sinus arrhythmias; low blood pressure | Plastic Surgeon | General by DO anesthesiologist | ? | To hospital, no adverse sequelae | AAAASF | Y | Y |
| 41 211 11/27/02 | Facelift | Facelift | Atrial fibrillation | Plastic Surgeon | General by CRNA | No | To hosp for cardioversion | AAAASF | Y | Y |
| 42 227 2/13/03 | Abdominoplasty, liposuction. | Abdominoplasty, liposuction. | Hypotension, deceased P02 | Plastic Surgeon | General by MD anesthesiologist | ? | To hospital, no death | No | Y | Y |
| 43 231 3/3/03 | Hypotrophic breasts | Breast augmentation | Pneumothorax | Plastic Surgeon | General by CRNA | No | 48 hours in hospital, no chest tube | AAAASF | Y | Y |
| 44 241 4/24/03 | Infertility, endometriosis | Oocyte retrieval | Hypoxemia | OB/GYN | IV sedation by CRNA | No | Transported to hospital, no death | No | Y | Y |
| 45 244 5/6/03 | Facial rhytids | Periorbital laser resurfacing, nasolabial fold implants | Chest pain | Plastic Surgery | Local | No | Transported to hospital, no death | No | Y | Y |
| 46 246 5/29/03 | Abdominal elastosis, lipodystrophy | Abdominoplasty and liposuction | Post-op elevated temperature | Plastic Surgery | General by operating MD | No | Complete recovery | No | Y | Y |
| 47 247 5/23/03 | Gynecomastia, lipodystrophy | Liposuction of chest and flanks | Hypotensive, wide-complex tachycardia | Plastic Surgery | General by MD anesthesiologist | No | Transported to hospital, no death | AAAHC | Y | Y |
| 48 248 6/16/03 | Excessive fat | Lipectomy | Post-operative infection | Plastic Surgery | General by MD anesthesiologist | No | Complete recovery | AAAASF | Y | Y |
| 49 250 6/17/03 | Lipodystrophy | Liposuction | Bowel perforation | Plastic Surgery | General by MD anesthesiologist | No | Transported to hospital, no death | AAAASF | Y | Y |
| 50 251 7/1/03 | Pneumothorax, breast augm. | Breast augmentation | Pneumothorax two weeks later | Plastic Surgery | General by MD anesthesiologist | No | Transported to hospital, no death | No | Y | Y |

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| 51 254 7/22/03 | Dermatocholasis actinic damage | Laser treatment facial rhytids | Seizure | Plastic Surgery | Local by operating MD | No | Complete recovery | No | Y | Y |
| 52 258 9/12/03 | Fat excess of hips | Liposuction/ left breast implant capsular plication | Acute rise of systolic blood pressure | Plastic Surgery | General by MD anesthesiologist | Yes | Complete recovery | AAAASF | Y | Y |
| 53 273 1/30/04 | Obesity | Abdominoplasty | Cellulitis | Plastic surgeon | General by MD anesthesiologist | No | Admitted to hospital | AAAASF | Y | Y |
| 54 274 2/18/04 | Hypomastia | Breast augmentation | Allergic to anesthesia | Plastic Surgery | General by MD anesthesiologist | Yes | Transported to hospital, no death | AAAASF | Y | Y |
| 55 276 2/27/04 | Hypomastia | Breast augmentation | Pneumothorax | Plastic Surgery | General by MD anesthesiologist | No | Transported to hospital, no death | AAAASF | Y | Y |
| 56 277 6/3/03 | Colon polyps | Polypectomy | Bowel perforation | Gastroenterologist | IV sedation by CRNA | No | Transported to hospital, no death | No | Y | Y |
| 57 279 9/22/03 | Bilateral breast involution | Bilat. Endoscopic breast augmentation | Irregular heart rate | Plastic Surgery | General by MD anesthesiologist | No | Transported to hospital, no death | AAAASF | Y | Y |
| 58 285 9/9/03 | Ptoic skin, gastric bypass and weight loss | Reconstructive mastopexies and abdominoplasty | Pneumothorax | Plastic Surgery | General by MD anesthesiologist | No | Transported to hospital, no death | JCAHO | N | N |
| 59 5/10/03 | Abdominal elastosis | Abdominoplasty | Bleeding | Plastic Surgeon | General CRNA | No | To hospital, to operating room, recovered | No | Y | Y |
| 60 11/11/03 | Cosmetic Breast | Ruptured silicone implants | Hypotension | Plastic Surgeon | General MD anesthesiologist | No | To hospital for work up | No | Y | Y |
| 61 2/18/04 | Hypomastia | Breast Augmentation | Anaphylaxis | Plastic Surgeon | General MD anesthesiologist | Yes | To hospital for observation | AAAASF | Y | Y |
| 62 2/27/04 | Hypomastia | Breast Augmentation | Pneumothorax | Plastic Surgeon | General MD anesthesiologist | No | To hospital for observation, discharged next day | AAAASF | Y | Y |
| 63 3/2/04 | Hepatitis | Liver Biopsy | Bleeding | Radiologist | Local | No | To hospital for overnight observation and discharge in a.m. | No | Y | Y |
| 64 3/15/04 | Hypoplasia of Breast/Excess Fat | Breast Augmentation/ Liposuction | Respiratory Depression/ Pulmonary Edema | Plastic Surgeon | General MD anesthesiologist | Yes | To hospital, discharged next day | AAAASF | Y | Y |
| 65 3/16/04 | Carotid Stenosis | Carotid Angiogram | Hypotension/ Retroperitoneal Bleed | Cardiologist | Local Operating MD | No | To hospital | No | Y | Y |
| 66 3/29/04 | Eyelid Ptosis | Blephroplasty | Altered mental status | Oculoplastic Surgeon | General MD anesthesiologist | No | To hospital for observation | No | Y | Y |
| 67 4/2/04 | Low Back Pain | Facet Joint Injections | Seizure | Anesthesiologist | Anesthesiologist | No | To hospital for full work-up | No | Y | Y |

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| 68 4/2/04 | Abdominal Laxity/ Excess Fat | Abdominoplasty/ Breast Reduction | Syncope/ Orthostatic Hypotension | Plastic Surgeon | General CRNA | No | To hospital, discharged next day | No | Y | Y |
| 69 4/6/04 | Colon Polyps | Colonoscopy | Bowel perforation | Gastroenterologist | IV sedation CRNA | No | To home then to hospital next day, surgical repair | No | Y | Y |
| 70 4/29/04 | Mammary Hypoplasia | Breast Augmentation | Increased Heart Rate/ Blood pressure | Plastic Surgeon | General MD anesthesiologist | Yes | To hospital for observation | AAAASF | Y | Y |
| 71 4/29/04 | Colon Polyps | Colonoscopy | Rectal Bleeding | Gastroenterologist | IV sedation CRNA | No | To hospital for observation, discharged next day | No | Y | Y |
| 72 4/29/04 | Colon Polyps | Colonoscopy | Rectal Bleeding | Gastroenterologist | IV sedation Operating MD | No | To hospital for observation | No | Y | Y |
| 73 5/3/04 | Colon Polyps | Colonoscopy | Distended abdomen/ Colon perforation | Gastroenterologist | IV sedation Operating MD | No | To hospital for treatment | No | Y | Y |
| 74 5/12/04 | Macromastia/ Excess Fat/ Brow Ptosis/ Nasal Deformity/ Elastosis | Breast Reduction/ Liposuction/ Rhinoplasty/ Face lift/ Brow Lift | Upper Airway Obstruction | Plastic Surgeon | General MD anesthesiologist | No | To hospital for observation and extubation | No | Y | Y |
| 75 7/2/04 | Rectal Cancer | PET Scan | Bleeding/ Urethral Tear on catheter placement | Nuclear medicine | N/A | No | To hospital for evaluation and treatment | No | Y | Y |
| 76 7/10/04 | Abdominal Elastosis | Abdominoplasty | Hypotension following Syncope | Plastic Surgeon | General CRNA | No | Home then to hospital in am | No | Y | Y |
| 77 7/23/04 | Lipodystrophy | Liposuction | Blood Transfusion/ Hypoxia | Plastic Surgeon | General CRNA | No | To hospital for evaluation and observation | No | Y | Y |
| 78 7/29/04 | Bilateral micromastia | Breast Augmentation | Hematoma | Plastic Surgeon | General by MD anesthesiologist | No | Home for 2 weeks then to hospital | AAAASF | Y | Y |
| 79 7/30/04 | Lipodystrophy | Liposuction | Cellulitis/ Induration | Facial Plastics | IV sedation CRNA | No | Home for 7 days then to hospital | AAAHC | Y | Y |
| 80 8/12/04 | Tubal factor infertility | Transvaginal oocyte retrieval | Abdominal Pain | OB/GYN | IV sedation CRNA | No | To hospital for evaluatiion | No | Y | Y |
| 81 8/13/04 | Laxity Facial Skin/ Brow Ptosis | Face/ Neck Lift/ Blepharoplasty | Hypertension and irregular tachycardia | Plastic Surgeon | General by MD anesthesiologist | Yes | To hospital | No | Y | Y |

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|----------------|--|---|--|--------------------------------------|--------------------------------|-----|--|--------|----|----|
| 82 9/13/04 | Brow Ptosis/ Perceived mammary hypoplasia | Breast Augmentation/ Brow lift | Syncope/ Hypotension/ Tachycardia | Plastic Surgeon | General MD anesthesiologist | No | To hospital for evaluation and observation | No | Y | Y |
| 83 10/4/04 | Breast Hypoplasia/ Lipodystrophy | Breast Reduction/ Liposuction | ST elevation/ Paroxysmal ventricular contractions | Plastic Surgeon | General MD anesthesiologist | Yes | To hospital for evaluation | AAAASF | Y | Y |
| 84 10/22/04 | Facial aging | Neck/ Brow/ Face lift | Paroxysmal atrial fibrillation and hypotension | Plastic Surgeon | General DO anesthesiologist | Yes | To hospital for evaluation | AAAASF | Y | Y |
| 85 12/3/04 | Neck Pain | Epidural steroid injection | Chest Pain | Pain Management/ Anesthesiologist | Anesthesiologist | No | To hospital for evaluation | No | Y | Y |
| 86 2/17/05 | Ruptured silicone breast implant Capsular contracture High riding breast implants | Exchange of implants/ Revision of submuscular pocket / Partial Capsulectomy | Hematoma | Plastic Surgeon | General DO Anesthesiologist | No | Home for 12 days, then another surgery | AAASF | Y | Y |
| 87 3/14/05 | Excessive skin and fat of abdomen | Lipectomy | Ventricular Fibrillation | Plastic Surgeon | General MD Anesthesiologist | Yes | To hospital for evaluation and treatment | No | No | No |
| 88 3/19/05 | Nasal deformity | Rhinoplasty | Laryngospasm | Plastic Surgeon | General MD Anesthesiologist | Yes | To hospital for observation | No | Y | Y |
| 89 3/21/05 | Breast involution and ptosis | Augmentation / mastopexy | Hematoma | Plastic Surgeon | General MD Anesthesiologist | No | Home for 10 days, then another surgery | AAAASF | Y | Y |
| 90 4/15/05 | Abdominal elastosis | Abdominoplasty | Fell in hotel room, Low Hgb | Plastic Surgeon | General MD Anesthesiologist | No | To hospital for blood transfusion and observation | No | No | Y |
| 91 4/15/05 | Spinal stenosis | Vertebroplasty | Vasovagal episode | Orthopedic Surgeon | Local | No | To hospital for observation | No | Y | Y |
| 92 4/21/05 | Bilateral Renal Calculi | Lithotripsy / Ureteroscopy / Cystoscopy | Fever | Urologist | General MD Anesthesiologist | No | To hospital for evaluation | JCAHO | Y | Y |
| 93 4/27/05 | Facial Aging | Browlift, Facelift | Hyperthermia | Plastic Surgeon | General MD Anesthesiologist | Yes | To hospital for observation | No | Y | Y |
| 94 5/4/05 | Abdominal elastosis | Abdominoplasty | Hematoma | Plastic Surgeon | General MD Anesthesiologist | No | To hospital to drain and for observation | AAAASF | Y | Y |
| 95 5/9/05 | Abdominal laxity | Abdominoplasty | DVT | Plastic Surgeon | General MD Anesthesiologist | No | To hospital 4 days later | No | Y | Y |
| 96 5/11/05 | Urinary retention, phimosis | Treatment of paraphimosis | Reaction to Demerol? | Urologist | Demerol 25 mg IM | Yes | To hospital for observation | No | Y | Y |

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|-----------------|----------------------------------|----------------------------------|--|--------------------|--------------------------------------|-----|---|-------|---|----|
| 97 5/12/05 | Chest pain | Left Heart Catheterization | Retroperitoneal bleed | Cardiologist | Conscious sedation | No | To hospital for observation | No | Y | Y |
| 98 5/24/05 | Dysphagia, screening colonoscopy | EGD, colonoscopy | Unable to intubate esophagus, bleeding noticed, Zenker's diverticulum discovered in hospital | Gastroenterologist | Conscious sedation | No | To hospital for surgery | No | Y | Y |
| 99 5/24/05 | Screening colonoscopy | Screening colonoscopy | Rectal perforation | Gastroenterologist | Conscious sedation | No | To hospital for surgical consult | No | Y | Y |
| 100 6/16/05 | Macromastia | Breast Reduction | Pneumothorax | Plastic Surgeon | General CRNA Anesthesiologist | No | Admitted to hospital 4 days post op | No | Y | No |
| 101 6/21/05 | | Sigmoidoscopy | Post polypectomy bleeding | Gastroenterologist | Conscious sedation | No | Returned to office next day for treatment, then to hospital for observation | No | Y | Y |
| 102 7/7/05 | Mammary hypoplasia | Breast augmentation | Seizure | Plastic Surgeon | General by CRNA | Yes | To hospital for observation | No | Y | No |
| 103 7/18/05 | Ischemic cardiomyopathy | Heart catheterization | Hematoma and hypotension | Cardiologist | Conscious sedation | No | To hospital for observation | No | Y | Y |
| 104 7/26/05 | Occlusive lesion of esophagus | Esophagogastroduodenoscopy (EGD) | Esophageal perforation | Gastroenterologist | Conscious sedation | No | To hospital for surgery | No | Y | Y |
| 105 7/18/05 | Abdominal elastosis | Abdominoplasty | Respiratory Distress caused by Thyroid Storm | Plastic Surgeon | General MD Anesthesiologist | No | To hospital for observation and treatment | No | Y | Y |
| 106 8/2/05 | History of colon polyps | Colonoscopy | Colon perforation | Gastroenterologist | Conscious sedation | No | Home, then to hospital that night for another surgery | No | Y | Y |
| 107 8/8/05 | Acquired nasal deformity | Revision Rhinoplasty | Atrial fibrillation | Otolaryngologist | General DO Anesthesiologist | Yes | To hospital for observation | AAAHC | Y | Y |
| 108 8/24/05 | Lipodystrophy | Liposuction | Infection due to colon perforation | Plastic Surgeon | General MD Anesthesiologist | No | Patient went to hospital 5 days post-op | No | Y | Y |
| 109 9/18/05 | Abdominal elastosis | Abdominoplasty | Anemia requiring transfusion | Plastic Surgeon | General MD Anesthesiologist | No | Admitted to hospital 2 days post-op | No | Y | Y |
| 110 9/30/05 | Chest pain | Heart catheterization | Acute dissection of left main coronary artery | Cardiologist | Conscious Sedation / Local Analgesia | No | To hospital for evaluation and further intervention | AAAHC | Y | Y |
| 111 10/31/05 | End stage renal disease | SVC Gram, Bilateral Arm Venogram | Allergic Reaction to contrast dye | Radiologist | Local | No | To hospital for observation | No | Y | Y |

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|-----------------|--|---|---------------------------------------|--|-----------------------------|-----|--|-------|----|---|
| 112 11/9/05 | Labia hyperplasia | Cosmetic Labiaplasty | Supraventricular tachycardia | OB/GYN | IV Sedation by operating MD | Yes | Patient went to hospital later that day | No | Y | Y |
| 113 12/13/05 | Colon polyps | Colonoscopy | Colon perforation | Gastroenterologist | Conscious sedation | No | To hospital for observation | No | Y | Y |
| 114 12/14/05 | Mammary hypoplasia | Breast Augmentation / Benelli lift | Pneumothorax | Plastic Surgeon | General MD Anesthesiologist | No | Patient went to hospital 13 days later | No | Y | Y |
| 115 12/15/05 | Dysphagia, constipation | Endoscopic evaluation | Colon perforation | Gastroenterologist | Conscious sedation | No | To hospital for surgical consult | No | Y | Y |
| 116 1/12/06 | Skin laxity following weight loss | Abdominoplasty | Orthostatic hypotension | Plastic Surgeon | General MD Anesthesiologist | No | Patient kept overnight | No | Y | Y |
| 117 1/30/06 | Ureteral calculus | Ureteroscopy | Ureteral perforation | Urologist | General MD Anesthesiologist | No | To hospital for CT and observation | JCAHO | Y | Y |
| 118 4/7/06 | Facial rhytids | Facelift | Hematoma, 2 days post-op | Otolaryngologist | General MD Anesthesiologist | No | To hospital for airway management, tracheostomy | AAAHC | Y | Y |
| 119 5/30/06 | Abdominal lipodystrophy/mammary hypoplasia | Abdominoplasty, lipectomy, breast augmentation w/ Benelli lift | Pneumothorax | Plastic Surgeon | General MD Anesthesiologist | No | To hospital for chest tube | No | Y | Y |
| 120 5/18/06 | Breast deformity | Breast reconstruction and implant exchange | Bleeding | Plastic Surgeon | General MD Anesthesiologist | No | Patient observed overnight | No | Y | Y |
| 121 5/23/06 | Facial cellulites/abscess | Endoscopic browlift, midface lift, and bilateral upper and lower blepharoplasties | Infection, 16 days post-op | Otolaryngologist | MAC Anesthesia | No | Patient presented to ER | AAAHC | Y | Y |
| 122 5/24/06 | Infertility | Oocyte retrieval | Bleeding | Reproductive Endocrinologist | IV Sedation CRNA | No | To hospital for observation | No | Y | Y |
| 123 6/5/06 | Cutis laxa of abdomen | Abdominoplasty & suction assisted lipectomy | Infection, 16 days post-op | Physician trained abroad. 1 year of surgery and 1 year fellowship in plastic surgery in US | General MD Anesthesiologist | No | To hospital for surgery to remove bacteria from incision | No | No | Y |
| 124 7/5/06 | Atrophic breasts and lipodystrophy | Breast augmentation & suction assisted lipectomy | Bilateral pneumothorax, 1 day post-op | Physician trained abroad. 1 year of surgery and 1 year fellowship in plastic surgery in US | General MD Anesthesiologist | No | Admitted to hospital, discharged 5 days later | No | No | Y |
| 125 7/13/06 | Screening colonoscopy | Screening colonoscopy | Renal failure, bowel perforation | Gastroenterologist | Conscious sedation | No | Admitted to hospital next day | No | Y | Y |
| 126 7/14/06 | Lipodystrophy | Liposuction and abdominoplasty | Hypotension | Plastic Surgeon | General MD Anesthesiologist | No | To hospital for blood transfusion | AAAHC | Y | Y |

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|-----------------|--|--|--|----------------------------|------------------------------------|-----|---|--------|----|---|
| 127 8/9/06 | Hypomastia | Breast augmentation | Negative pressure pulmonary edema | Plastic Surgeon | General MD Anesthesiologist | Yes | Transferred to hospital for treatment | No | No | Y |
| 128 8/15/06 | Excess skin | Abdominoplasty | Hematoma | Plastic Surgeon | General MD Anesthesiologist | No | Transferred to hospital for evacuation | No | Y | Y |
| 129 8/21/06 | Lipodystrophy, macromastia | Breast augmentation, abdominoplasty | Hypotension | Plastic Surgeon | General MD Anesthesiologist | No | Transferred to hospital for treatment and observation | No | Y | Y |
| 130 9/20/06 | Cosmetic Surgery | Autologous fat grafting | Intravascular injection of local w/ epinephrine | Plastic Surgeon | IV sedation, CRNA Anesthesiologist | Yes | Transferred to hospital for BP management | AAAASF | Y | Y |
| 131 9/20/06 | Gynecomastia | Abdominoplasty, liposuction | Infection, sepsis | Plastic Surgeon | General MD Anesthesiologist | No | Transferred to hospital for management of sepsis | AAAASF | Y | Y |
| 132 9/22/06 | Screening colonoscopy | Screening colonoscopy | Bowel perforation | Gastroenterologist | Conscious sedation | No | Transferred to hospital for repair of perforation | No | Y | Y |
| 133 10/13/06 | Basal cell carcinoma | MOHS | Wrong surgical site | Dermatology | Local | No | Wrong surgical site | No | Y | Y |
| 134 10/18/06 | UPJ stricture | Ureteroscopy incision of UPJ stricture | Severe post-op nausea | Urology | General MD Anesthesiologist | No | Sever post-op nausea | JCAHO | Y | Y |
| 135 10/25/06 | Carotid Stenosis | Angioplasty | Bleeding | Vascular Surgeon | Local | No | Presented to ER same day | No | Y | Y |
| 136 10/25/06 | Hypomastia | Breast augmentation | No breathing from succinylcholine, pseudocholinesterase deficiency | Plastic Surgeon | General MD Anesthesiologist | Yes | Transferred to hospital for observation | No | No | Y |
| 137 11/6/06 | Screening upper endoscopy/ colonoscopy | Screening upper endoscopy/ colonoscopy | Colon perforation | Gastroenterologist | Conscious sedation | No | Transferred to hospital for repair of perforation | No | Y | Y |
| 138 11/16/06 | Varicose veins | Endovascular vein closure EVLT | Infection | Interventional Radiologist | Local | No | To hospital for antibiotic Tx | No | Y | Y |
| 139 11/21/06 | Cutis Laxa | Face Lift | Chest pain, tachycardia | Plastic Surgeon | General MD Anesthesiologist | No | Transferred to hospital for observation | No | Y | Y |
| 140 11/27/06 | Rectal Bleeding Hx colon polyps | Colonoscopy | Bowel perforation | Gastroenterologist | MAC Anesthesia MD Anesthesiologist | No | Transferred to hospital for repair of perforation | No | Y | Y |
| 141 11/28/06 | Colorectal cancer & metastasis | Liver Biopsy | Severe abdomen pain | Diagnostic Radiologist | Local | No | Transferred to hospital for observation | No | Y | Y |

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|----------------|----------------|---|-----------|----------------------------|-------|----|-------------------------------|----|---|---|
| 142 12/7/06 | Claudication | Lower extremity angioplasty & endovascular reconstruction | Bleeding | Interventional Radiologist | Local | No | Presented to ER same day | No | Y | Y |
| 143 1/17/07 | Varicose veins | Endovascular vein closure EVLT | Infection | Interventional Radiologist | Local | No | To hospital for antibiotic Tx | No | Y | Y |

Table 3. Complications or deaths due to general anesthesia or intravenous anesthesia. 3/1/00 – 3/1/06.

| Case # | Patient problem | Surgical Procedure | Complication | Provider | Anesthesia | Anes Prob? | Outcome | Facility Accredited ? | Board Certified ? | Hosp Priv. ? |
|----------------------|----------------------------|---|---|------------------------|---|------------|--|-----------------------|-------------------|--------------|
| 1 4 4/14/00 | Hypertrophic breast | Breast reduction | Bronchospasm during induction | Plastic Surgeon | General by MD anesthesiologist | Yes | To hospital, death after code | No | Y | Y |
| 2 20 6/26/00 | Facial dystrophy | Rhinoplasty, chin implant | Bradycardia/ Death | Facial Plastic Surgeon | Intravenous sedation by CRNA | Yes | To hospital, death after code | No | Y | Y |
| 3 46 11/20/00 | Breast surgery | Breast surgery | Early malignant hyperthermia | Plastic Surgeon | General by MD anesthesiologist | Yes | To hospital, discharged next day | AAAASF | Y | Y |
| 4 81 7/30/01 | Lipodystrophy | Liposuction | Gastric aspiration, laryngospasm | Plastic Surgeon | Intravenous sedation by MD anesthesiologist | Yes | To hospital, no death | AAAASF | Y | Y |
| 5 105 6/19/01 | Ptosis - blepharochalasis. | Blepharoplasty | Hypoxia after extubation, obtunded | Plastic Surgeon | General by CRNA | Yes | To hospital discharged next day | AAAHC | Y | Y |
| 6 111 8/31/01 | Wrinkles | Laser peel, eyelid & neck lift | Respiratory failure/acute pulmonary edema | Plastic Surgeon | General by MD anesthesiologist | Yes | To hospital, no death | AAAASF | Y | Y |
| 7 167 3/21/02 | Breast augmentation | Breast augmentation | Ventricular tachycardia | Plastic Surgeon | Intravenous sedation by CRNA | Yes | To hospital, no death | AAAASF | Y | Y |
| 8 193 7/29/02 | Cosmetic surgery | Facelift | Cardio-pulmonary arrest | Plastic Surgeon | Intravenous sedation by operating physician | Yes | To hospital, death | AAAASF | Y | Y |
| 9 258 9/12/03 | Fat excess of hips | Liposuction/ left breast implant capsular plication | Acute rise of systolic blood pressure | Plastic Surgeon | General by MD anesthesiologist | Yes | Complete recovery | AAAASF | Y | Y |
| 10 262 9/25/03 | Hypotrophic breasts | Breast implant | Rapid bradycardia | Plastic surgeon | IV sedation by operating MD | Yes | Deceased on table in office | No | Y | N |
| 11 270 1/7/04 | Macromastia | Abdominoplasty breast reduction | Respiratory and renal failure Post-op | Plastic Surgeon | General by MD anesthesiologist | Yes | Transported to hospital, deceased 3 days post-op | AAAASF | Y | Y |
| 12 274 2/18/04 | Hypomastia | Breast augmentation | Allergic to anesthesia | Plastic Surgeon | General by MD anesthesiologist | Yes | Transported to hospital no death | AAAASF | Y | Y |
| 61 2/18/04 | Hypomastia | Breast Augmentation | Anaphylaxis | Plastic Surgeon | General MD anesthesiologist | Yes | To hospital for observation | AAAASF | Y | Y |

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|----------------|-------------------------------------|-------------------------------------|--|--------------------------------|--------------------------------|-----|--|--------|----|----|
| 65 3/15/04 | Hypoplasia of Breast/Excess Fat | Breast Augmentation/ Liposuction | Respiratory Depression/ Pulmonary Edema | Plastic Surgeon | General MD anesthesiologist | Yes | To hospital, discharged next day | AAAASF | Y | Y |
| 70 4/2/04 | Mammary Hypoplasia | Breast Augmentation | Increased Heart Rate/ Blood pressure | Plastic Surgeon | General MD anesthesiologist | Yes | To hospital for observation | AAAASF | Y | Y |
| 81 8/13/04 | Laxity Facial Skin/ Brow Ptosis | Face/ Neck Lift/ Blepharoplasty | Hypertension and irregular tachycardia | Plastic Surgeon | General by MD anesthesiologist | Yes | To hospital | No | Y | Y |
| 83 10/4/04 | Breast Hypoplasia/ Lipodystrophy | Breast Reduction/ Liposuction | ST elevation/ Paroxysmal ventricular contractions | Plastic Surgeon | General MD anesthesiologist | Yes | To hospital for evaluation | AAAASF | Y | Y |
| 84 10/22/04 | Facial aging | Neck/ Brow/ Face lift | Paroxysmal atrial fibrillation and hypotension | Plastic Surgeon | General DO anesthesiologist | Yes | To hospital for evaluation | AAAASF | Y | Y |
| 87 3/14/05 | Excessive skin and fat of abdomen | Lipectomy | Ventricular Fibrillation | Plastic Surgeon | General MD Anesthesiologist | Yes | To hospital for evaluation and treatment | No | No | No |
| 88 3/19/05 | Nasal deformity | Rhinoplasty | Laryngospasm | Plastic Surgeon | General MD Anesthesiologist | Yes | To hospital for observation | No | Y | Y |
| 94 4/27/05 | Facial Aging | Browlift, Facelift | Hyperthermia | Plastic Surgeon | General MD Anesthesiologist | Yes | To hospital for observation | No | Y | Y |
| 97 5/11/05 | Urinary retention, phimosis | Treatment of paraphimosis | Reaction to Demerol? | Urologist | Demerol 25 mg IM | Yes | To hospital for observation | No | Y | Y |
| 103 7/7/05 | Mammary hypoplasia | Breast augmentation | Seizure | Plastic Surgeon | General by CRNA | Yes | To hospital for observation | No | Y | No |
| 108 8/8/05 | Acquired nasal deformity | Revision Rhinoplasty | Atrial fibrillation | Otolaryngologist | General DO Anesthesiologist | Yes | To hospital for observation | AAAHC | Y | Y |
| 113 11/9/05 | Labia hyperplasia | Cosmetic Labiaplasty | Supraventricular tachycardia | OB/GYN | IV Sedation by operating MD | Yes | Patient went to hospital later that day | No | Y | Y |
| 28 4/19/06 | Fractured mandible | Fixation of fractured mandible | Allergic reaction | Oral and Maxillofacial surgeon | IV sedation by operating MD | Yes | Transfer to hospital, never regained consciousness, removed from life support 4 days later | No | No | Y |

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|-----------------|------------------|-------------------------|---|--------------------------------|------------------------------------|-----|---|-------|----|---|
| 127 8/9/06 | Hypomastia | Breast augmentation | Negative pressure pulmonary edema | Plastic Surgeon | General MD Anesthesiologist | Yes | Transferred to hospital for treatment | No | No | Y |
| 130 9/20/06 | Cosmetic Surgery | Autologous fat grafting | Intravascular injection of local w/ epinephrine | Plastic Surgeon | IV sedation, CRNA Anesthesiologist | Yes | Transferred to hospital for BP management | AAASF | Y | Y |
| 136 10/25/06 | Hypomastia | Breast augmentation | No breathing from succinylcholine, pseudochoolinesterase deficiency | Plastic Surgeon | General MD Anesthesiologist | Yes | Transferred to hospital for observation | No | No | Y |
| 31 11/16/06 | Nasal deformity | Septorhinoplasty | Bradycardia | Oral and Maxillofacial Surgeon | IV Sedation by operating MD | Yes | Transfer to hospital, death following morning | AAAHC | Y | Y |

CRNA-certified registered nurse anesthetist

MD-medical doctor

DO-Doctor of Osteopathic Medicine

AAASF-American Association for Accreditation of Ambulatory Surgical Facilities

AAAHC-American Association for Ambulatory Health Care

JCAHO-Joint Commission on Accreditation of Healthcare Organizations

OB/GYN-obstetrician gynecologist

GI- Gastrointestinal

IV-Intravenous

SOB-Shortness of Breath

TIA- Transient Ischemic Attack

Post-op- Post operative