

Table S1 Codes for ICD-9 classification for primary diagnosis and procedures

Characteristic	Codes
Primary diagnosis	
Functional adenomas	2550, 2551, 25510, 25511, 25512, 2553, 2556, 2558, 2559
Non-functional adenomas	2270, 2372
Primary malignancy	1940
Secondary malignancy	1987
Types of procedures	
Partial/unilateral adrenalectomy	0721, 0722, 0729
Bilateral adrenalectomy	073
Technique	
Laparoscopic procedure	5411, 5412, 5419, 5421
Complications	
Bleeding/shock	2851 (acute posthemorrhagic anemia) 9981 (hemorrhage or hematoma complicating a procedure not elsewhere classified) 99811 (hemorrhage complicating a procedure) 99812 (hematoma complicating a procedure) 99813 (seroma complicating a procedure) 9982 (accidental puncture or laceration during a procedure, not elsewhere classified) E8700 (accidental cut, puncture, perforation or hemorrhage during surgical operation)
Infection/sepsis	0380 (streptococcal septicemia) 0389 (unspecified septicemia) 78552 (septic shock) 6822 (cellulitis and abscess of trunk) 9983 (disruption of wound, unspecified) 99831 [disruption of internal operation (surgical) wound] 99832 [disruption of external operation (surgical) wound] 99851 (infected postoperative seroma) 99859 (other postoperative infection) 99883 (non-healing surgical wound) 8604 (traumatic pneumohemothorax without mention of open wound into thorax)
Technical complications	9982 (accidental puncture or laceration during a procedure, not elsewhere classified) 9984 (foreign body accidentally left during a procedure) 9986 (persistent postoperative fistula) 9987 (acute reaction to foreign substance accidentally left during a procedure) 55321 (incisional hernia without mention of obstruction or gangrene) 5778 (other specified diseases of pancreas) 415 (acute pulmonary heart disease) 41519 (other pulmonary embolism and infarction) 5061 (acute pulmonary edema due to fumes and vapors) 5069 (unspecified respiratory conditions due to fumes and vapors)
Cardiovascular complications	41000 (acute myocardial infarction of anterolateral wall, episode of care unspecified) 41001 (acute myocardial infarction of anterolateral wall, initial episode of care) 41002 (acute myocardial infarction of anterolateral wall, subsequent episode of care) 41010 (acute myocardial infarction of other anterior wall, episode of care unspecified) 41050 (acute myocardial infarction of other lateral wall, episode of care unspecified) 41051 (acute myocardial infarction of other lateral wall, initial episode of care) 41052 (acute myocardial infarction of other lateral wall, subsequent episode of care) 41060 (true posterior wall infarction, episode of care unspecified) 41061 (true posterior wall infarction, initial episode of care) 41062 (true posterior wall infarction, subsequent episode of care) 41070 (subendocardial infarction, episode of care unspecified) 41071 (subendocardial infarction, initial episode of care) 41072 (subendocardial infarction, subsequent episode of care) 41080 (acute myocardial infarction of other specified sites, episode of care unspecified) 41081 (acute myocardial infarction of other specified sites, initial episode of care) 41082 (acute myocardial infarction of other specified sites, subsequent episode of care) 41090 (acute myocardial infarction of unspecified site, episode of care unspecified) 41091 (acute myocardial infarction of unspecified site, initial episode of care) 41092 (acute myocardial infarction of unspecified site, subsequent episode of care) 41511 (iatrogenic pulmonary embolism and infarction) 99702 (iatrogenic cerebrovascular infarction or hemorrhage) 9972 (peripheral vascular complications, not elsewhere classified) 99779 (vascular complications of other vessels) 78559 (other shock without mention of trauma) 4010 (malignant essential hypertension) 40509 (other malignant secondary hypertension) 4275 (cardiac arrest) 99791 (complications affecting other specified body systems, not elsewhere classified, hypertension)
Renal complications	5845 (acute kidney failure with lesion of tubular necrosis) 5846 (acute kidney failure with lesion of renal cortical necrosis) 5847 (acute kidney failure with lesion of renal medullary [papillary] necrosis) 5848 (acute kidney failure with other specified pathological lesion in kidney) 5849 (acute kidney failure, unspecified) 5856 (end stage renal disease)
Pulmonary complications	5180 (pulmonary collapse) 5181 (interstitial emphysema) 5184 (acute edema of lung, unspecified) 5187 (TRALI) 51884 (acute and chronic respiratory failure) 5185 (pulmonary insufficiency following trauma and surgery) 51881 (acute respiratory failure) 51882 (other pulmonary insufficiency, not elsewhere classified) 99731 (ventilator associated pneumonia) 99732 (postprocedural aspiration pneumonia) 9672 (peripheral vascular complications, not elsewhere classified)
Endocrine complications	2513 (postsurgical hypoinsulinemia) 2554 (corticoadrenal insufficiency) 25541 (glucocorticoid deficiency) 25542 (mineralocorticoid deficiency) 2555 (other adrenal hypofunction) 2521 (hypoparathyroidism) 27541 (hypocalcemia) 2440 (postsurgical hypothyroidism)
Wound complications	9983 [disruption of external operation (surgical) wound] 99883 (non-healing surgical wound)

TRALI, transfusion related acute lung injury.

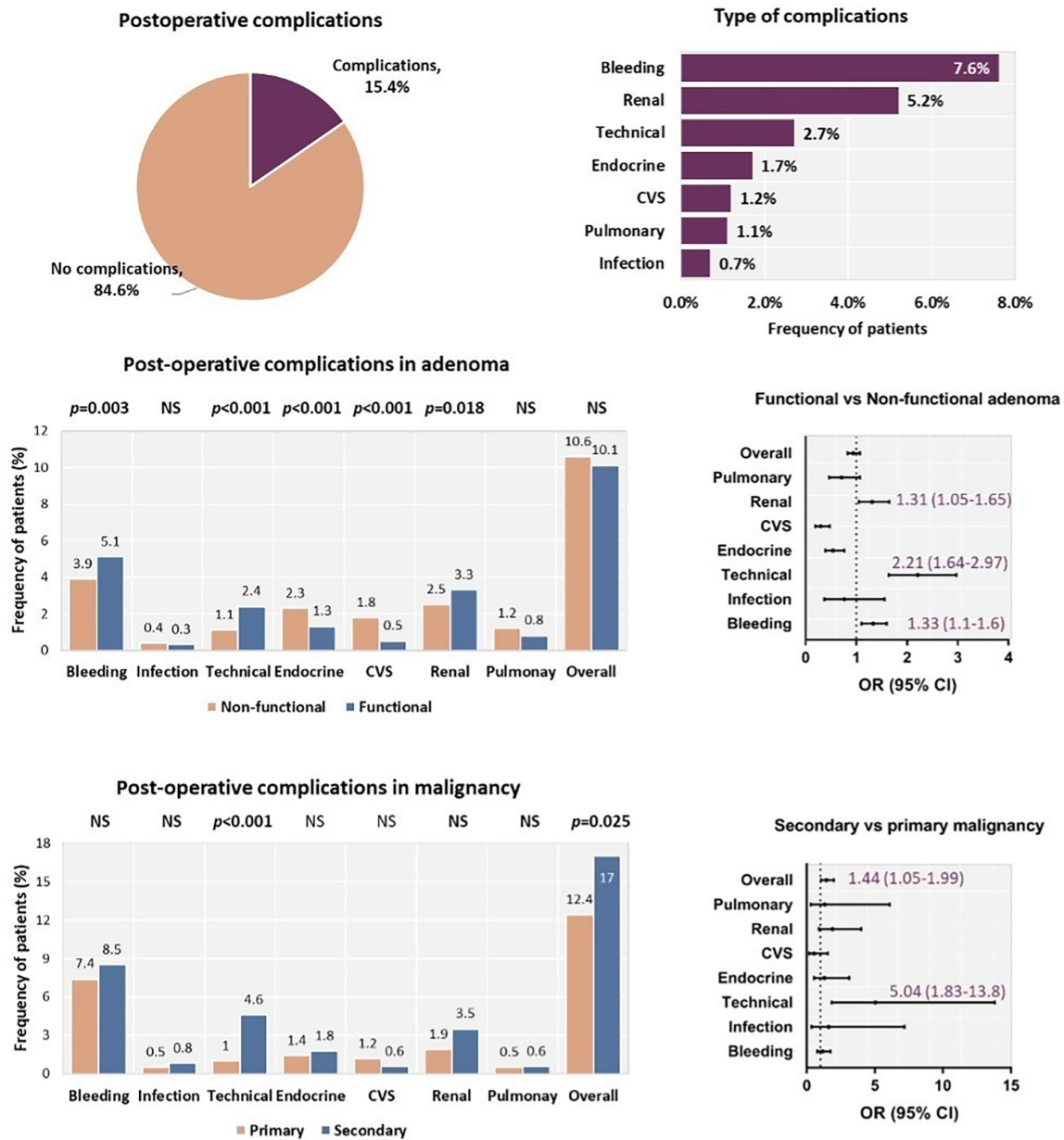


Figure S1 Postoperative complications in patients following adrenalectomy. Significance at $P < 0.05$. Fisher's Exact test was applied. Unadjusted OR and 95% CI are shown. NS, non-significant; CVS, cardiovascular system; OR, odds ratio; CI, confidence interval.