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Objective—To evaluate predictors of survival time in dogs undergoing adrenalectomy and identify risk factors associated with adrenal gland tumor metastasis and vein thrombosis.

Design—Retrospective case series.

Animals—52 dogs with primary adrenal gland tumors.

Procedures—Medical records were reviewed. Signalment, tumor features, and information from surgical procedures were evaluated to identify factors predictive of overall survival time, which was defined as the time from surgery until death. The association between metastasis or vein thrombosis and tumor type, size, and site (right or left adrenal gland) was investigated.

Results—On the basis of results of univariate analysis, survival time was significantly shorter for dogs with adenocarcinoma, tumor major axis length ≥ 5 cm, metastasis, and vein thrombosis and when adrenalectomy was combined with an additional abdominal surgical intervention. On multivariate analysis, survival time was significantly shorter for dogs with an adrenal gland tumor with major axis length ≥ 5 cm and for dogs with metastasis or vein thrombosis. Significant associations were found between metastasis and adenocarcinoma and between vein thrombosis and tumors with major axis length ≥ 5 cm.

Conclusions and Clinical Relevance—Dogs with an adrenal gland tumor with major axis length ≥ 5 cm, documented metastasis, or vein thrombosis had a poorer prognosis. Metastasis was more frequent in dogs with adenocarcinoma and vein thrombosis when tumors were ≥ 5 cm in length. (J Am Vet Med Assoc 2011;239:216–221)

Primary adrenal gland tumors are relatively infrequent in dogs, representing 0.17% to 0.76% of all neoplasias in dogs. Among these, adenoma and adenocarcinoma are the most common, followed by pheochromocytoma, myelolipoma, aldosteronoma, and deoxycorticosterone-secreting and sex hormone–secreting adrenal tumors. Once a diagnosis of an adrenal gland tumor has been established, the choice between medical and surgical treatment must be made. In dogs, medical treatment for cortisol-secreting adrenal gland tumors includes mitotane and trilostane. In patients with pheochromocytoma, medical treatment is suggested in the presence of clinical signs related to excess catecholamine activity, such as tachycardia, arrhythmia, or hypertension, and the use of α- or β-adrenergic receptor antagonists may be considered in these patients. Treatment choices are affected by whether adrenal gland tumors invade adjacent structures, have distant metastases, or both, and adrenalectomy is the treatment of choice when the tumor appears resectable.

Adrenalectomy is associated with a high perioperative mortality rate in dogs, but patients surviving to discharge achieve good long-term outcome with a median survival time > 10 months. Few studies have specifically addressed predictors of outcome in dogs undergoing adrenalectomy. In 1 investigation, it was reported that age, histologic type, and tumor size at diagnosis were not associated with survival time. In another study, the presence of abdominal metastases identified at surgery did not influence outcome, and adrenalectomy with caval thrombectomy did not increase the mortality rate. In 1 study, concurrent nephrectomy was associated with a poor prognosis; thrombocytopenia, high BUN concentration and aspartate transaminase activity, and hypokalemia were associated with poorer outcome.

In humans with primary adrenal adenocarcinoma, the size and weight of the tumor are well documented as negative prognostic factors. In addition, tumor invasion of adjacent organs as well as particularly distant metastases at diagnosis are strongly associated with decreased survival time, and ≤ 12% of patients having adrenal adenocarcinoma with distant metastasis survive > 5 years. Compared with partial resection of the adrenal gland tumor, complete excision leads to a more favorable outcome. With regard to pheochromocytoma in humans, the presence of distant metastases is associated with poor survival time. Surgical excision of the affected gland in patients without metastasis is associated with a 60% survival rate at 5 years.

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ABBREVIATIONS

| CI | Confidence interval |
| CT | Computed tomography |
| HR | Hazard ratio |
| LDS | Low-dose dexamethasone suppression |
The purpose of the study reported here was to identify factors predictive of outcome in dogs with a primary adrenal gland tumor undergoing adrenalectomy. The variables evaluated were adrenal gland tumor-related factors including tumor type and size, metastasis, and vein thrombosis as well as surgical factors such as excision of the right or left adrenal gland, additional abdominal surgery, type of surgical access, complications, and duration of surgery. In addition, risk factors associated with metastasis and vein thrombosis were investigated.

**Materials and Methods**

**Dogs**—Records from dogs with a primary adrenal gland tumor that was surgically removed between May 2002 and November 2008 at the Clinica Veterinaria Nerviano, Clinica Veterinaria Pirani, and University of Turin Veterinary School Surgical Section were reviewed.

A diagnosis of adrenal-dependent hyperadrenocorticism was made on the basis of identification of nonsuppressed serum cortisol concentration by use of an LDDS test or an appropriately high serum cortisol concentration after ACTH stimulation, together with evidence of a mass at the adrenal gland site on ultrasonography or CT.29 Results of diagnostic imaging to detect possible abdominal metastasis and thrombosis of abdominal vessels were retrieved. Dogs with an adrenal mass and for which results of LDDS and ACTH tests were within reference limits were suspected to have pheochromocytoma; the results of ECGs and noninvasive determination of systemic blood pressure by means of oscillometry were obtained in these patients. Routine thoracic radiography for tumor staging was performed in each dog. To be included in the study, histologic examination had to confirm the adrenal gland origin of the tumor in all dogs and information regarding follow-up had to be available until death or for at least 90 days after adrenalectomy. Dogs that underwent bilateral adrenalectomy and that had pituitary-dependent hyperadrenocorticism were excluded.

**Adrenalectomy**—Surgical excision of the adrenal gland was performed by 1 of 3 surgeons (GR, SN, and PB). During induction of general anesthesia, all dogs received a single injection of cefazolin sodium (22 mg/kg [10 mg/lb], IV) as antimicrobial prophylaxis. In dogs with adrenal-dependent hyperadrenocorticism, an injection of dexamethasone (1 mg/kg [0.45 mg/lb], IV) was given to prevent postoperative hyperadrenocorticism. Dogs with suspected pheochromocytoma received the α-adrenergic receptor antagonist drug phenoxybenzamine (0.5 mg/kg [0.23 mg/lb], PO, q 12 h) for 1 to 4 days, and analgesic drugs (fentanyl [4 µg/kg/h, IV] or buprenorphine [10 µg/kg [4.55 µg/lb], IV, q 8 h]), progressively tapered and discontinued when dogs did not have signs of abdominal pain on gentle palpation). In the case of adrenal-dependent hyperadrenocorticism, corticosteroids were given. Administration of prednisone (1 mg/kg, PO, q 24 h) was started after the dog began to eat and drink (ie, usually within 24 to 36 hours after surgery). The dosage of prednisone was decreased during the following 4 weeks and administration was then discontinued. In dogs with suspected pheochromocytoma and hypertension, systemic blood pressure was monitored and administration of phenoxybenzamine was suspended if pressure normalized. In the case of caval thrombectomy, heparin was administered (200 U/kg [90.0 U/lb], SC, q 8 h for 1 week) to prevent further thrombus formation. Following surgery, owners were advised to have their dog evaluated via thoracic radiography and abdominal ultrasonography every 3 to 4 months in the first year and every 6 to 8 months thereafter. Additional evaluations were performed if clinical condition worsened.

**Statistical analysis**—Median overall survival time of all dogs undergoing adrenalectomy was calculated with Kaplan-Meier product limit estimates. The following factors were investigated to determine their influence on overall survival time, which was defined as time of surgery to death: sex (male or female), age (< 10 or ≥ 10 years), breed (crossbred or purebred), body weight (≤ 15 or > 15 kg [33 lb]), tumor type (adenoma, adrenocarcinoma, pheochromocytoma, or myelolipoma), tumor size defined as major axis length (< 5 or ≥ 5 cm), presence of metastasis (confirmed at histologic analysis), thrombosis of the caudal vena cava or renal vein, right or left adrenalectomy only, adrenalectomy with or without additional abdominal surgery (ie, partial pancreatotomy, hepatic lobectomy, thrombectomy, or nephrectomy), type of surgical access (midline or combined midline and paracostal approach), complications during surgery (ie, bleeding or hypotension), duration of surgery (< 90 or ≥ 90 minutes), and institution where the surgery was performed (Clinica Veterinaria Nerviano, Clinica Veterinaria Pirani, or University of Turin Veterinary School Surgical Section). The influence of these factors was assessed by use of the Kaplan-Meier product limit estimates followed by the log rank test.
Results

Dogs—Fifty-two dogs satisfied the inclusion criteria and were available for analysis. Sixteen adrenalectomies were performed at the Clinica Veterinaria Nerviano, 23 at the Clinica Veterinaria Pirani, and 13 at the University of Turin Veterinary School Surgical Section. The mean age was 10.6 years (median, 11 years; range, 6 to 17 years). Twenty-six (50%) dogs were < 10 years of age, and 26 (50%) were ≥ 10 years of age. There were 17 (32.7%) sexually intact males, 23 (44.2%) sexually intact females, and 11 (21.2%) spayed females; sex was not recorded for 1 dog. Thirty-eight (73%) dogs were purebred. Breeds represented included the following: West Highland White Terrier (n = 5), German Shepherd Dog (4), Yorkshire Terrier (4), Shih Tzu (3), Pomeranian (2), Schnauzer (2), Siberian Husky (2), Labrador Retriever (2), and 1 each of Irish Setter, Golden Retriever, Cocker Spaniel, Bolognese, Doberman Pinscher, Fox Terrier, Lagotto, Springer Spaniel, Scottish Terrier, Dachshund, Rottweiler, Pinscher, Boxer, and Briard. Fourteen (27%) dogs were crossbred.

In 42 (80.8%) dogs, a secreting tumor of the adrenal cortex was diagnosed on the basis of no decrease in cortisol concentration in an LDDS test or inappropriately high cortisol concentration following ACTH administration, together with evidence of a mass at the adrenal gland site on ultrasonography or CT. The remaining 10 (19.2%) dogs had an adrenal gland mass, but results of LDDS and ACTH tests were within reference limits, and these patients were suspected to have pheochromocytoma. In 4 of these dogs, systemic blood pressure was repeatedly measured before surgery, and in the remaining 16 (34.8%) dogs, an additional abdominal surgery was performed concurrently with adrenalectomy. In 10 (21.7%) dogs, it was ≥ 5 cm. An additional abdominal surgery was performed concurrently with adrenalectomy in 12 (23.1%) dogs. Eleven (21.2%) dogs underwent an additional surgery that consisted of caval venotomy to remove a thrombus (n = 4), closure of the phrenicoabdominal vein at its junction with the caudal vena cava followed by caval thrombus removal (1), liver lobectomy (2), or partial pancreatectomy (2) to remove suspect metastatic nodules (1 pancreatic and 2 hepatic nodules detected with preoperative diagnostic imaging and 1 pancreatic nodule recognized only at surgery) as well as ipsilateral nephrectomy (2) when a large adherence between the tumor and kidney was observed during surgery. In an additional dog, 2 abdominal surgical procedures were concurrently performed in addition to adrenalectomy: liver lobectomy for a suspect metastatic nodule and caval venotomy to remove a thrombus.

Complications during surgery were documented in 2 (3.8%) dogs. One dog had acute bleeding from the caudal vena cava during thrombectomy. The other dog, which underwent adrenalectomy and nephrectomy, developed marked intraoperative hypotension that did not respond to dopamine administration. This dog died during surgery, and the final histologic diagnosis was adenocarcinoma. Median duration of the surgical procedure, which was recorded in 46 (88.5%) dogs, was 90 minutes (mean, 84.7 minutes; range, 40 to 180 minutes); in 30 (65.2%) dogs, surgery lasted < 90 minutes, and in the remaining 16 (34.8%) dogs, surgery lasted ≥ 90 minutes. Following surgery, the median time to discharge was 3 days (mean, 3.8 days; range, 2 to 5 days).

Histologic findings—Twenty-five (48.2%) adrenal gland tumors were adenomas, 18 (34.6%) were adenocarcinomas, 7 (13.4%) were pheochromocytomas, and 2 (3.8%) were metastatic nodules not observed in any dog.

Surgery and postoperative management—A ventral midline abdominal approach was used in 34 (65.4%) dogs, whereas a paracostal approach combined with a ventral midline approach was performed in 8 (15.4%) dogs; information on the surgical approach was not available in 10 (19.2%) patients. After adrenalectomy, the size of the affected adrenal gland was measured with a caliper in 46 dogs. Median major tumor axis length was 3 cm (mean, 3.8 cm; range, 1 to 10 cm); in 36 (78.3%) dogs, the major axis length of the tumor was < 5 cm, and in the remaining 10 (21.7%) dogs, it was ≥ 5 cm. An additional abdominal surgery was performed concurrently with adrenalectomy in 12 (23.1%) dogs. Eleven (21.2%) dogs underwent an additional surgery that consisted of caval venotomy to remove a thrombus (n = 4), closure of the phrenicoabdominal vein at its junction with the caudal vena cava followed by caval thrombus removal (1), liver lobectomy (2), or partial pancreatectomy (2) to remove suspect metastatic nodules (1 pancreatic and 2 hepatic nodules detected with preoperative diagnostic imaging and 1 pancreatic nodule recognized only at surgery) as well as ipsilateral nephrectomy (2) when a large adherence between the tumor and kidney was observed during surgery. In an additional dog, 2 abdominal surgical procedures were concurrently performed in addition to adrenalectomy: liver lobectomy for a suspect metastatic nodule and caval venotomy to remove a thrombus.

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were myelolipomas; 1 dog with an adenoma had results of LDDS and ACTH stimulation tests within reference limits. Of the 6 thrombi removed, 4 were associated with adenocarcinomas and 1 each with a pheochromocytoma or an adenoma of the adrenal gland. The nodules of the excised liver lobe (n = 3), pancreas (2), and kidney (2) were tumoral (6 adenocarcinoma and 1 pheochromocytoma).

Outcome—Median survival time for the 52 dogs undergoing adrenalectomy, calculated with Kaplan-Meier product limit estimates, was 953 days (range, 0 to 1,941 days; Figure 1). At the time of the study, 25 (48.1%) dogs were alive and in good clinical condition (ie, laboratory or ultrasonographic evidence of relapse was absent), without detectable lung or abdominal metastasis, and 27 (51.9%) had died. One dog died intraoperatively because of nonresponsive hypotension, and 7 died during the first 10 days after surgery. Causes of death included pulmonary thromboembolism (n = 3 dogs; 2 with adenocarcinoma with concomitant caval thrombosis and 1 with adenoma) that was confirmed on necropsy, acute pancreatitis (1), cardiac arrest following a hypertensive crisis associated with pheochromocytoma (1), or unknown reasons (2).

Following discharge, 6 additional dogs died of diffuse metastasis in the liver (n = 5) or in the liver and pancreas (1). The 5 dogs with hepatic metastasis had a median survival time of 70 days (mean, 121 days; range, 1 to 365 days), and the dog with hepatic and pancreatic metastasis had a survival time of 192 days. Among the remaining 13 dogs, 2 died of a mammary gland carcinoma and 1 each died of an oral tumor, sepsis, and leishmaniasis; the cause of death was unknown in 8 dogs.

A necropsy was performed in 19 dogs. Metastasis of the excised adrenal gland tumor was documented in 7 dogs: 4 in the liver (in 2 dogs with recurrence at death), 1 in the liver and kidney, 1 in the pancreas and liver (in 1 dog that received liver lobectomy during surgery), and 1 in the pancreas. At necropsy, 6 of the 7 metastatic adrenal gland tumors were adenocarcinomas and 1 was a pheochromocytoma.

Analysis of prognostic factors—Several adrenal gland tumor–related factors were associated with survival time at univariate analysis (P < 0.10). Survival time was shorter for dogs that had an adenocarcinoma (median survival time, 360 days; mean, 200 days; range, 0 to 910 days), tumor major axis length ≥ 5 cm (median survival time, 156 days; mean, 338 days; range, 1 to 1,279 days), metastasis (median survival time, 120 days; mean, 108 days; range, 1 to 192 days), or vein thrombosis (median survival time, 2.5 days; mean, 173 days; range, 1 to 981 days). Among factors related to surgery, a shorter survival time was observed in dogs undergoing adrenalectomy along with an additional abdominal surgical procedure (median survival time, 120 days; mean, 142 days; range, 0 to 910 days). Median survival time of dogs without these factors was not calculated because > 50% of the animals survived or died of another disease by the end of the study. Survival time was not as-
associated with sex, age, breed, body weight, side of adreneractomy, type of surgical access, duration of surgery, and institution performing the surgery. The analysis was not performed for complications during surgery because of the low number of dogs that developed complications.

In the multivariate analysis, the size of the tumor and the presence of metastasis or vein thrombosis were of prognostic importance (Figure 2). In particular, an adrenal gland tumor with major axis length \( \geq 5 \) cm was associated with 85% shorter survival time (HR, 7.57; 95% CI, 1.67 to 34.48; \( P = 0.009 \)), the presence of metastasis with 95% shorter survival time (HR, 27.78; 95% CI, 2.18 to 166.67; \( P = 0.010 \)), and vein thrombosis with 90% shorter survival time (HR, 13.16; 95% CI, 1.97 to 90.91; \( P = 0.008 \)). Tumor type and adrenalectomy with or without additional abdominal surgeries were not associated with survival time. With regard to tumor type, the multivariate model was repeated, including adenoma, pheochromocytoma, and myelolipoma in a single category, because an effect was observed only for adenocarcinoma at univariate analysis. Regardless of the model, adenocarcinoma was not predictive of survival time in the multivariate analysis.

Analysis of factors associated with metastasis and vein thrombosis—The presence of metastasis was significantly \( (P = 0.01) \) associated with adenocarcinoma but not with tumor size \( (P = 0.60) \) or origin \( (P = 0.44) \); the presence of vein thrombosis was significantly \( (P = 0.02) \) associated with adrenal gland tumors with major axis length \( \geq 5 \) cm, but not with histologic type \( (P = 0.17) \) or primary origin \( (P = 0.69) \).

Discussion

In the present study, dogs with an adrenal gland tumor with major axis length \( \geq 5 \) cm, documented metastasis, or vein thrombosis had a poorer prognosis. More frequent metastasis was noted in dogs with adenocarcinoma and more frequent vein thrombosis if adrenal gland tumors were \( \geq 5 \) cm in length. Although adrenalectomy is generally considered a surgical procedure with an uncertain prognosis, dogs in the present study had a median survival time of 953 days (range, 0 to 1,941), with 65% surviving \( > 1 \) year following surgery. The intraoperative mortality rate was very low; with only 1 of 52 (1.9%) dogs dying during surgery; perioperative mortality rate was relatively low; with an additional 7 (13.5%) dogs dying during the first 10 days after surgery. A prior study\(^{17} \) on adrenalectomy in dogs reported a perioperative mortality rate of approximately 60%, including 28% of dogs euthanatized during surgery. Perioperative mortality rate was lower in later investigations; van Sluijs et al\(^{18} \) and Barthez et al\(^{11} \) reported perioperative mortality rates of < 30%, and Anderson et al\(^{11} \) reported a perioperative mortality rate < 20%. A perioperative mortality rate of approximately 20% was more recently reported by Kyles et al\(^{15} \) and Schwartz et al.\(^{16} \)

To date, few studies\(^{14-16} \) have explored the prognostic factors in dogs with adrenal gland tumors. In the present study of dogs with primary adrenal neoplasia that underwent adrenalectomy, size of the excised tumor and the presence of metastasis or vein thrombosis at diagnosis were found to be predictive of outcome. In particular, dogs with adrenal gland tumors with major axis length \( \geq 5 \) cm had significantly shorter survival times than did dogs with smaller tumors. Median survival time of dogs with larger adrenal gland masses was 156 days. These results are in agreement with findings in humans, in which it has been shown that adrenal gland tumors with major axis length \( > 4 \) cm are more likely to be malignant and associated with a poor outcome.\(^{20,25-26} \) Previous studies\(^{14,16} \) in dogs did not identify a prognostic value for adrenal tumor size. However, in 1 report,\(^{14} \) dogs had relatively small adrenal gland tumors, with the largest being 2 to 3 cm, whereas in the present study, 10 dogs had tumors \( \geq 5 \) cm. In another study,\(^{16} \) adrenal gland tumors in dogs had a mean size of 8.5 cm, calculated by adding the 3 spatial measurements; thus, most of these tumors were likely to have major axis length \( < 5 \) cm.

As in humans,\(^{15} \) dogs with detectable metastasis at the time of surgery (7/52 [13.5%]) in the present study had a poorer outcome. Survival time (median, 120 days; range 1 to 941 days) in dogs with metastasis was reduced by \( > 90\% \). The role of metastasis has not yet been investigated in dogs with adrenal gland tumors because of the low documented rate of metastasis. In 1 study,\(^{16} \) only 2 of 40 dogs had histologically confirmed metastases, located in the omentum in both patients. In 2 other reports,\(^{14,15} \) none of 21 dogs with adrenal gland tumors had detectable metastases at surgery, and only 4 of 40 dogs had metastasis at diagnosis (in the liver and 1 in the ovary).\(^{15} \) In the series of 40 dogs,\(^{15} \) adrenal gland adenocarcinoma had the highest rate of metastases at diagnosis. Similarly, in the present study, 6 of the 7 patients with tumors with metastasis to abdominal organs had adenocarcinomas at surgery, and 1 of the 7 tumors was a pheochromocytoma. These results may suggest a relatively high metastatic rate for adenocarcinoma, compared with other adrenal gland tumors, as described in humans.\(^{15,27} \)

With regard to localization of detectable metastases, all dogs with tumor spread in the present study had involvement of abdominal organs. The liver was most commonly affected (n = 3), followed by the pancreas (2) or kidneys (2). On the basis of results of thoracic radiography, lung metastasis was not identified in any dog. These results reflect previous reports\(^{14-16} \) in dogs with adrenal gland tumors, in which lung metastasis was not diagnosed in any of the affected animals on initial examination.

In the present study, multivariate analysis did not provide evidence of an association between histologic type of the adrenal gland tumor and survival time. Survival time of dogs with adenocarcinoma was comparable to that of dogs with adenoma, pheochromocytoma, and myelolipoma, despite being more likely to yield metastasis, which was associated with a poor survival time. However, 12 of the 18 dogs with adenocarcinoma had no evidence of tumor spread, either to abdominal organs or the lungs. Human patients with stage 3 or 4 adrenal adenocarcinoma (ie, a primary tumor with local or distant metastasis) have a poorer prognosis than do human patients without metastasis.\(^{20} \)

Dogs with thrombosis had significantly shorter survival time in the present report, and median survival time for these dogs was only 2.5 days (range, 1 to 981 days). Two previous studies\(^{15,16} \) in dogs have reported that detection of thrombosis had no influence on outcome. In studies\(^{10,20,23,28} \) in humans, vascular invasion from an adrenal gland adenocarcinoma was a negative and independent prognostic factor. However thrombectomy was performed in all dogs with detectable vein thrombosis in
the present study. Therefore, it may be that concurrent thrombectomy, rather than occurrence of vein thrombosis itself, accounted for the increased mortality rate.

In the present study, an association was demonstrated between vein thrombosis and large adrenal gland tumors. Vein thrombosis has been identified more often in dogs with pheochromocytomas or right-sided adrenal gland tumors, although the effect of size was not known. Four of 10 tumors with tumor major axis length ≥ 5 cm were associated with cava or phrenicoadominal vein thrombosis in the present study, whereas only 2 of 35 (5.7%) dogs with small tumors had a detectable thrombus. Moreover, of the 6 tumors with concomitant thrombosis, 4 were adrenocortical carcinomas, 1 was a pheochromocytoma, and 1 was an adenoma. No association was found between thrombosis and histologic type or side of tumor origin, likely because of the low number of patients.

In contrast to tumor size and presence of metastasis or vein thrombosis, neither histologic type nor adrenalectomy with or without an additional surgery was associated with survival time in multivariate analysis in the present study. However, performing other surgical procedures at the time of adrenalectomy reduced survival time in dogs in a prior report.

There were some limitations to the present study. The retrospective nature of the investigation resulted in incomplete clinical data in some instances. In addition, the group was heterogeneous and consisted of animals with various histologic types of adrenal gland tumors or that were scheduled for additional surgical procedures. Analyzing subgroups of dogs with homogenous characteristics might have revealed more precise information regarding outcome of specific tumors or surgical techniques. However, by creating more homogeneous subgroups, the number of cases would have been substantially reduced, thereby precluding reliable analysis. Our results are nonetheless reflective of a routine clinical situation.

Measurement of adrenal gland masses was performed with a caliper after removal of the tumor in each patient, which may not closely reflect measurements made on preoperative diagnostic images. Studies need to be performed to address correlations between measurements obtained by these 2 methods. In the present study, to reduce bias attributable to inaccuracy of measurements, size of adrenal gland masses was used in the analysis as a dichotomous variable instead of on a continuous scale. It cannot be excluded that tumors with a size close to the cutoff value of 5 cm for the major axis length were falsely misclassified.

References