

SUPPLEMENTAL TABLE S1: Clinical characteristics at presentation		
Symptoms and signs	Number of cases	Percentage
Total patients	n = 390	
Presenting with a mass	169	43.3%
Signs of skull metastasis	72	18.4%
Bone pains	70	17.9%
Loss of weight/anorexia	52	13.3%
Neurological signs	44	11.2%
Fever	42	10.7%
Racoon eyes	41	10.5%
Proptosis	38	9.7%
Bone marrow involvement	31	7.9%
Inability to walk	23	5.8%
Constipation	20	5.1%
Respiratory compromise	20	5.1%
Pallor	14	3.5%
Back pain	11	2.8%
Infections	10	2.5%
Urinary retention	9	2.3%
Vision disturbances	9	2.3%
Bleeding	7	1.7%
Duration of symptoms		
Range (days)	0–873	
Median (days)	30	
Mean (days)	55	
Paraneoplastic syndromes	3	0.77%
OMAS	2	0.51%
VIP	1	0.26%
Presentation	Number of cases	Percentage
Emergency presentations		
None	260	66.6%
Emergency	90	23%
Spinal emergency	46	11.8%
Respiratory	24	6.1%

Horner Syndrome	7	1.8%
Intestinal obstruction	5	1.2%
Blindness	3	0.7%
Tumour lysis syndrome	1	0.3%
Primary site		
Adrenal	293	75.1%
Unilateral	278	94.9%
Bilateral	15	5.1%
Abdominal/pelvic	95	24.3%
Chest	44	11.2%
Neck	13	3.3%
Spinal	18	4.6%
Other	4	1%
Face/jaw	2	0.5%
Bone	1	0.3%
Soft tissue mass	1	0.3%
Primary not found	8	2.1%
Metastatic site		
Insufficient data	74	19%
No metastasis	39	10%
Bone	185	47.4%
Bone marrow	174	44.6%
Abdominal spread	12	30.8%
Liver	13	3.3%
Local invasion	9	2.3%
Lungs	15	3.8%
Lymph nodes	54	13.8%
Spinal	19	4.8%
Skull	31	7.9%