



**Supplemental Fig. S1.** Study flow chart. MN, metanephrine; VMA, vanillylmandelic acid; CKD, chronic kidney disease; PPGL, pheochromocytoma and paraganglioma. <sup>a</sup>Excludes patients below 30 Modification of Diet in Renal Disease (MDRD) study equation estimating glomerular filtration rate, including patients ( $n=42$ ) for whom MDRD could not be calculated; <sup>b</sup>Excludes patients ( $n=500$ ) who did not have their urinary metanephrines tests on the same day and the plasma metanephrines test on an adjacent day (30 days before or after the urinary creatinine results); <sup>c</sup>Patients ( $n=2$ ) who were recommended for surgery for suspected PPGL but refused, and patients ( $n=436$ ) whose follow-up duration was  $<730$  days; <sup>d</sup>Four asymptomatic cases without masses and five bilateral pheochromocytoma cases be included in PPGL cases.