Differential diagnosis of right atrial masses includes thrombus, vegetations and neoplasm. Our image is recorded from a 20 year-old man, who was admitted emergency service with abdominal pain and weight loss. Abdominal ultrasonography revealed a surrenal mass, and inferior vena cava invasion. We carried out an echocardiography and showed the tumor thrombus filling the inferior vena cava and expanding into the right atrium (Figure 1, 2, Video 1). The patient operated successfully, pathologic examination revealed adrenocortical tumor. Right atrial tumor thrombus is especially due to renal cell carcinoma. Other causes include adrenocortical tumors, hepatocellular carcinomas, uterine malignancies, germ line tumors, retroperitoneal neoplasms. Our image is a good example of tumor thrombus in the right atrium.