**Introduction**
- Histopathology confirmation of the nature of renal masses is often required as the management could vary significantly. A benign diagnosis may allow discharge or follow up while malignant diagnosis requires active intervention depending on patient’s fitness.
- Radiologist nowadays has an increasing role in both diagnostic and therapeutic aspect in managing renal mass in current practice.
- In this study, we reviewed all renal biopsies performed in our institution in a year and correlated pathology obtained with final treatment.

**Method**
Retrospective study of all diagnostic CT-guided biopsy in a general hospital over one year period and subsequent management.

**Result**
- 83 CT guided renal biopsies performed in one year
  - 74 Diagnostic Biopsies
  - 61 malignant
  - 13 Benign

**Discussion**
- Given the comparatively less invasive nature and quicker recovery, CT-guided cryoablation (performed by radiologists) has been gaining increasing popularity in recent years.
- Cryoablation of renal masses is as popular as surgery in our local region. 32% renal masses were ablated versus surgical resection in 39%.
- Of all surgical techniques, robot-assisted laparoscopic partial nephrectomy (12/26) is the commonest.

**Conclusions**
Obtaining accurate histology allows tailored, patient specific treatment selection with more diverse treatment options now available. CT-guided renal cryoablation with fast recovery and excellent safety profile is an increasingly popular option.