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Abstract No.: MP\_4

# Efficacy of Cryoablation of Small Renal mass: a Single Centre Review

LG Chui, CM Ng, CF Kan, WH Au. Division of Urology, Department of Surgery, Queen Elizabeth Hospital, Hong Kong SAR

### Objective

To evaluate the efficacy and safety of cryoablation in patients with small renal mass.

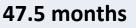
## **Patients and methods**

Patients with small renal tumours (diameter <= 4 cm) who underwent image-guided cryoablation in Queen Elizabeth Hospital between September 2012 and September 2020

### Results

Number of patients	
Number of tumours	
Mean age	70
Mean tumour size	19.7
Mean time to follow-up	

31 (M:F = 22:9)
34
70.4 (53 – 84; SD 7.8)
19.7 mm (7 – 29; SD 7.97)







- Technical success rate
  - 85.3% (29/34) after the 1st cryoablation
  - 97.1% (33/34) after the 2nd cryoablation.
- 5-year disease-specific survival : 100%.
- Overall survival
  - 3-year = 91.6%; 5-year = 77.3%
- Recurrence free survival
  - 3-year = 92%; 5-year 73%
  - No Clavien-Dindo >= grade 3 complications.
  - No significant haemoglobin drop or deterioration in renal function postprocedure.

## Conclusion

Cryoablation appears to be an effective treatment modality for patients with small renal mass with excellent short- and intermediate-term survival outcomes and minimal complications.



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