# Percryo™ Ablation versus Radiofrequency Ablation

## Highly Visible Under Image Guidance
- CT imaging produces a 40 Hounsfield unit drop in attenuation.¹
- Iceball visualization allows for monitoring of adjacent structures.²

## Less Pain During & Post-Procedure
- Ice formation produces a natural pain anesthetic.³
- Reduced narcotics use during and post procedures shown in renal study.²

## Does Not Destroy Collagen
- Ice allows the natural tissue architecture to remain intact.¹
- Treatments are possible near and around critical vessels and structures.³

## Multiple Cryo Probes May Be Used Simultaneously
- Multiple cryoprobes used simultaneously can create a large ablation zone.²
- Multiple cryoprobes allow treatment of multiple tumors concurrently.²

## Ice Propagation Is Predictable & Reproducible⁴

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### Demarcations between necrotic zone and normal hepatic tissue for Percryo™ Ablation and Radiofrequency Ablation:
- (asterisk): complete necrosis (arrow): partial necrosis

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## Renal Tumors
- Data suggest significantly lower rates of local tumor progression versus Radiofrequency Ablation.⁶
- Freezing does not injure the collecting system.⁹
- Appropriate for exophytic and central lesions.¹¹
- Provides nephron-sparing treatment option.¹²

## PULMONARY & Thoracic Tumors
- Ability to ablate tissue immediately adjacent to central bronchi.⁶
- Offers an alternative for poor surgical candidates.¹²
- Provides palliative treatment for thoracic tumors.¹³

## Liver Metastases
- Highly visible ice increases the ability to protect adjacent structures.⁴
- Can be performed on an outpatient basis with conscious sedation.⁴
- Treatment alternative for patients with tumors near peripheral sites (diaphragm/chest wall) with use of intraperitoneal 5% dextrose in water.⁴

## Freezing of Nerve Tissue in Pain Management/Cryoanalgesia
- Reduction in pain scores for post thoracotomy pain.¹⁴
- Performed with local anesthesia and sedation.¹⁴
- Effect lasts from weeks to months.¹⁴

## Palliative Intervention for Painful Bone Metastases
- Two years after cryoablation, 89% of patients report at least a 2-point drop in average pain.¹⁹
- Reduction in analgesic use.¹⁶
- Iceball visualization allows for monitoring of adjacent structures.²