

# PerCryo™ Ablation

CLINICAL DATA REVIEW

2016



# Renal Cryoablation

Author	Publication	Average Follow-Up (months)	Number of Patients	Radiographic Efficacy	Grade ≥3 Complications
Kim, <i>et al</i>	<i>J Urology</i> 2014 <sup>1</sup>	39	118	86%	3%
Breen, <i>et al</i>	<i>BJUI</i> 2013 <sup>2</sup>	20	104	99%	11%
Duffey, <i>et al</i>	<i>J Endourology</i> 2012 <sup>3</sup>	27	116	97%	2%
Altunrende, <i>et al</i>	<i>J Urology</i> 2011 <sup>4</sup>	15	29	90%	N/A
Rodriguez, <i>et al</i>	<i>CVIR</i> 2011 <sup>5</sup>	17	113	99%	3%
Atwell, <i>et al</i>	<i>J Urology</i> 2010 <sup>6</sup>	26	80	95%	7%
Hinshaw, <i>et al</i>	<i>AJR</i> 2008 <sup>7</sup>	15	30	100%	0%

# Thoracic Cryoablation

Authors	Publication	Average Follow-Up (months)	Number of Patients	Local Control	Pneumothorax	Pneumothorax Requiring Chest Tube	Grade $\geq 3$ Complications
<i>Moore, et al</i>	JVIR 2015 <sup>8</sup>	51	45	85%	51%	15%	6%
<i>Yashiro, et al</i>	JVIR 2013 <sup>9</sup>	19	71	76%	N/A	N/A	N/A
<i>Woodrum, et al</i>	RSNA 2013 <sup>10</sup>	6	40	95%	50%	18%	6%
<i>Inoue, et al</i>	JVIR 2012 <sup>11</sup>	30	117	N/A	62%	11%	2%
<i>Yamauchi, et al</i>	PLoS ONE 2012 <sup>12</sup>	29	22	97%	28%	5%	N/A
<i>Wang, Littrup, et al</i>	Radiology 2005 <sup>13</sup>	12	187	83%	12%	8%	N/A

# Palliative Intervention for Painful Bone Metastases

Author	Publication	Number of Patients	Freeze Time (Mins)	Pre-Procedure Pain	Post-Procedure Pain (Immediate)	Post-Procedure Pain (2-3 months)	Post-Procedure Pain (6 months)
Tomasian, <i>et al</i>	<i>AJNR</i> 2016 <sup>14</sup>	14	10-5-10	8	3	3	-
Calstrom, <i>et al</i>	<i>Cancer</i> 2013 <sup>15</sup>	61	10-8-10	4.7	3.5	2.1	0.9

# Freezing of Nerve Tissue/Cryoanalgesia

Author	Publication	Number of Patients	Freeze Time (Seconds)	Pre-Procedure Pain	Post-Procedure Pain (Immediate)	Post-Procedure Pain (2-3 months)
Yoon, <i>et al</i>	<i>JVIR</i> 2016 <sup>16</sup>	22	180	8.3	-	3.2
Moore, <i>et al</i>	<i>Acad Rad</i> 2010 <sup>17</sup>	18	90	7.5	1.2	4.1

# Liver Metastases Cryoablation

<b>Author</b>	<b>Publication</b>	<b>Average Follow-Up (months)</b>	<b>Number of Patients</b>	<b>Local Control</b>	<b>Bleeding</b>	<b>Other Complications</b>
<i>Xu, et al</i>	<i>WJG 2008<sup>18</sup></i>	32	326	94%	1.5%	5%

# References

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