



# **Percutaneous Ablation**

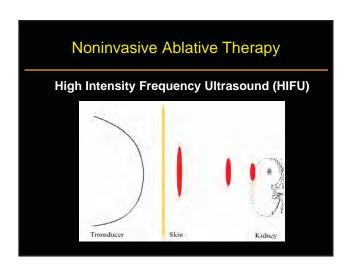
#### Advantages:

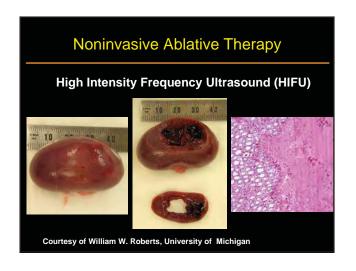
- Performed under iv sedation
- Outpatient treatment
- Minimal pain or blood loss

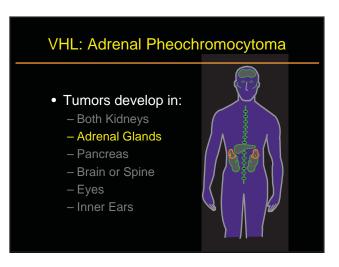
### Disadvantage:

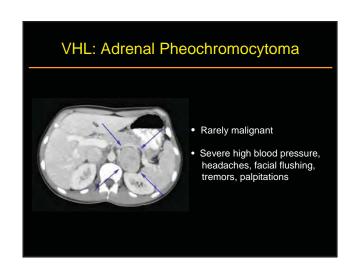
- Lack of long term follow-up or success rates
- May not always have tissue diagnosis

Ablation of Renal Tumors: Intermediate Results		
	Recurrence- Free Survival	Mean Follow-up
■ RFA		
<ul><li>Levinson et al., 2008</li></ul>	90%	61 months
<ul> <li>Park et al, 2006</li> </ul>	97%	25 months
<ul><li>Cryoablation</li></ul>		
<ul><li>Finley et al., 2008</li></ul>	95%	13 months
■ Bandi et al., 2007	98%	19 months









# Management of Pheochromocytoma

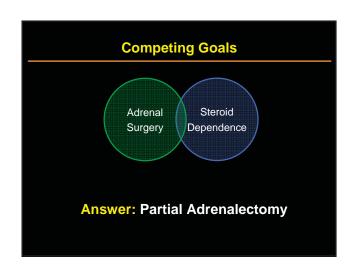
#### Step 1:

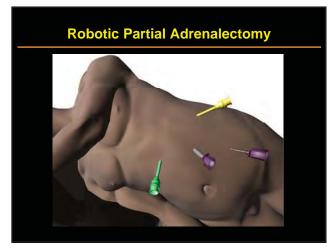
#### Medical management of high blood pressure

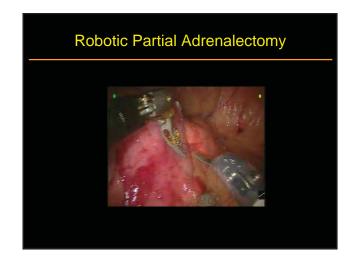
- alpha blockers (phenoxybenzamine)
- calcium channel blockers

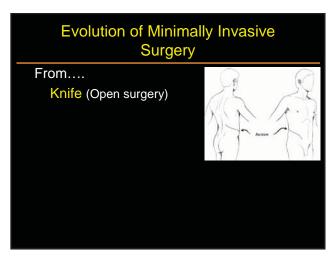
#### Step 2:

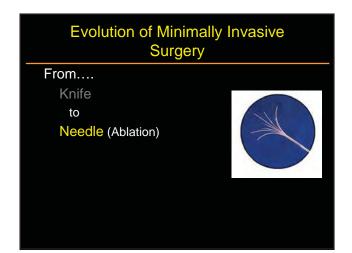
Surgical management to remove tumor

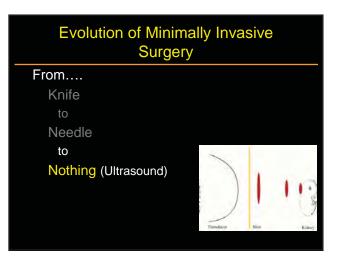












## VHL: Where We Stand in 2008

### For kidney tumors:

- · Large, multiple tumors
  - open partial nephrectomy (if possible)
  - laparoscopic or open radical nephrectomy
- Small (< 4cm), solitary tumors
  - open partial nephrectomy
  - lap/robotic partial nephrectomy
  - percutaneous ablation
- · However, choice of treatment must be individualized

#### For pheochromocytoma:

• Lap/robotic partial adrenalectomy

