

## CTEPH (and CTED)

- More prevalent than previously thought (Post PE sequelae underdiagnosed)
- · Frequently mis-diagnosed/not recognized (often no known prior PE)
- · Causes significant disability/functional compromise
- Effective treatments are available
  - · Medical (Riociguot, Macitentin, etc)
  - · Surgical (PTE)
  - · Percutaneous (BPA)
  - Management is complex  $\rightarrow$  need dedicated team-based approach

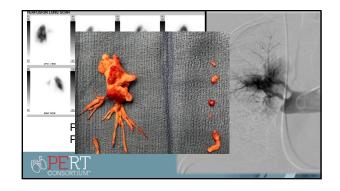


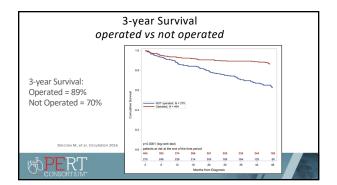
## Pulmonary ThromboEndarterectomy (PTE) for CTEPH

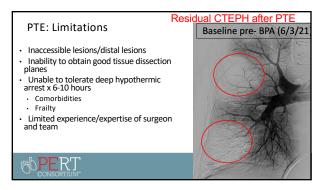
- · Highly effective for appropriately selected patients
  - 50-70% of CTEPH patients qualify
- · Most often "curative" w/o additional intervention
- Bilateral endarterectomy...median sternotomy under circulatory arrest

## → Current "treatment of choice"

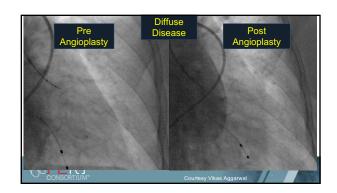


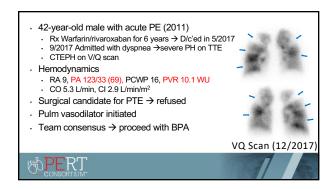


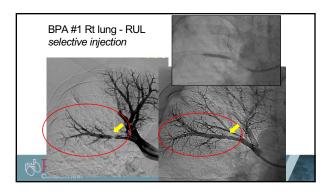


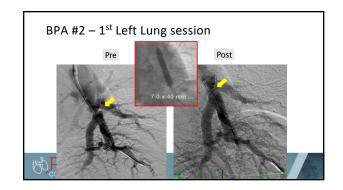


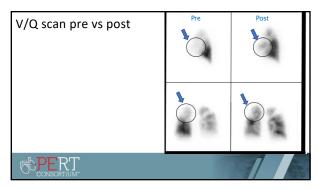
## Balloon Pulmonary Angioplasty First described in 2001 by Feinstein et. al. Initial high complication rates (pulmonary hemorrhage & death) Advances over the last decade → improved safety/outcomes Brick Rapid Communications Balloon Pulmonary Angioplasty for Treatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Treatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty for Ireatment of Chronic Thromboembolic Pulmonary Hypertension Balloon Pulmonary Angioplasty fo



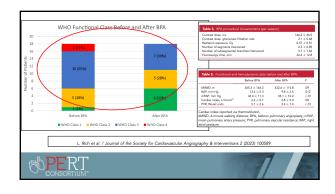


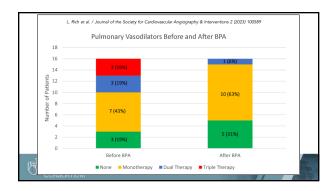


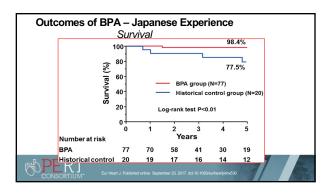


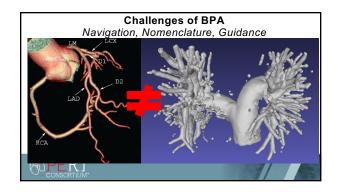


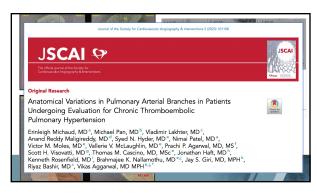
	Baseline	BPA 1 (post)	BPA 2 (post)	BPA 3 (post)	BPA 4 (post)	BPA 5 (post)	BPA 6 (post)	
PA s/d	123/33	72/25	55/19	37/11	42/15	29/11 (	30/13	
PA mean	69	44	32	21	24	18	19	
PVR (wu)	10.9	8.8	4.4	2.5	2.7	1.6	2	
CO/CI	5.3/2.9	4.2/2.3	5.9/3.2	6.1/3.3	6.7/3.7	7.4/4.0	6.5/3.6	
RA	9	7	6	After 7 BPA sessions  Marked improvement in functional capacity Resolution of chest pressure Off O2 and back at work				
PCWP	11	6	ь					

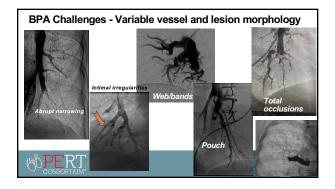


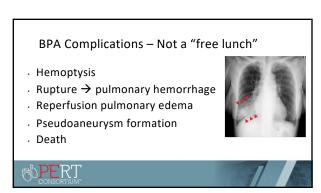


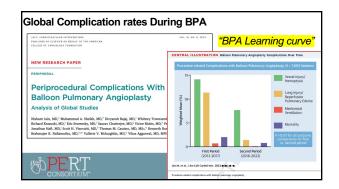


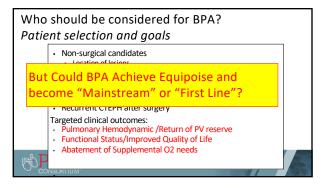












Has Balloon Pulmonary Angioplasty (BPA) become "mainstream" as treatment for CTEPH?

Answer: YES! It has become mainstream and is part of any comprehensive program for CTEPH.

BUT that does not mean everyone patient should have it and every operator should perform it!

Patient selection
Operator experience
Team consensus



