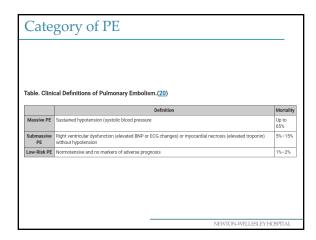
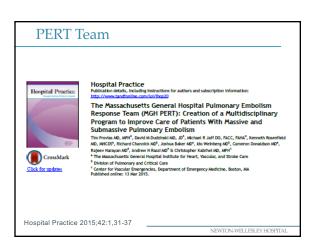


Faculty Disclosures

- I disclose the following financial relationships:
- · Amsel Medical, Endologix, Philips, Silk Road, Vasorum

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Summary of PE Trials EXTRACT PE SEATTLE II2 Treatment method EkoSonic endovascular system Primary efficacy (reduction in RV/LV ratio at 48 h) 0.43; P < .0001 0.42; P < .0001 0.38; P < .0001 Primary safety Major adverse ev within 48 h, 1.7% Major bleeding within 72 h, 10% Major adverse events within 48 h, 3.8% Death or hemodynamic decompensation within 7 d, 2.6% Major bleeding 1.7% within 48 h 10% within 72 h 1% within 48 h 11.5% within 7 d All-cause mortality (30 d) 2.5% 2.7% 2.4% 12-24 h 57 min Device time 37 min Abbreviations: NA, not available; LV, left ventricular; RV, right ventricular.

Guidelines for Surgical Embolectomy

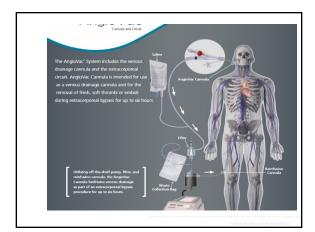
- Massive PE and contraindications to fibrinolysis (Class IIa; Level of Evidence C).
- Massive PE who remain unstable after receiving fibrinolysis (Class IIa; Level of Evidence C).
- May be considered for submassive acute PE judged to have clinical evidence of adverse prognosis (new hemodynamic instability, worsening respiratory failure, severe RV dysfunction, or major myocardial necrosis) (Class Ilb, Level of Evidence C).
- Not recommended for patients with low-risk PE or submassive acute PE with minor RV dysfunction, minor myocardial necrosis, and no clinical worsening (Class III; Level of Evidence C)

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Indications for Transcatheter Procedures

- Alternative to lysis when contraindications or when emergency surgery is unavailable or contraindicated
- Failure of lysis to improve hemodynamics in acute setting
- Hybrid therapy includes both catheter based clot fragmentation and local thrombolysis

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AngioVac Cannula Generation 3

- Open or Percutaneous
- ID (20.2 Fr) Large bore OD (23Fr)
- Tracks over a .035" guidewire, kink resistant, collapse resistant
- 16 Fr Venous Return Cannula
- · Self-expanding funnel shaped tip
 - Remotely deployable
 - Engage and conform UIM
 - Maintain local blood flow

Prevent vessel collapse



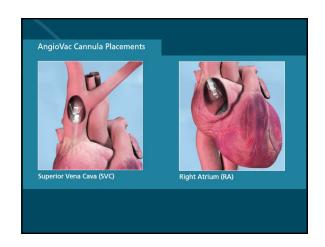
 $Angio Vac^{\scriptscriptstyle{\mathsf{TM}}}$

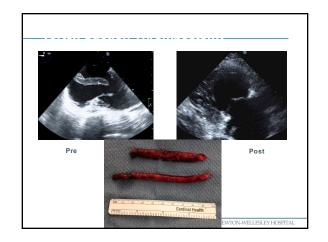
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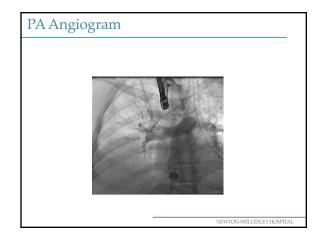


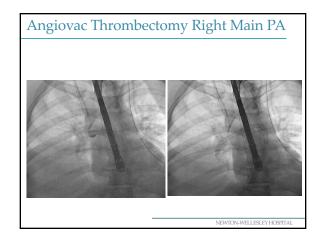
Patients	31
Mean Age	52
Gender	55% Male 45% Female
Primary Location of UIM TM	PA 39% RA 32% IVC 29%
Material Aspirated	87%
Procedural Success	71%
Conversion to Open	10%
Complications	6.4% 1 Tamponade 1 Urgent PE/TVP under CPB
Procedural Mortality	3.2% 1 RA Perforation



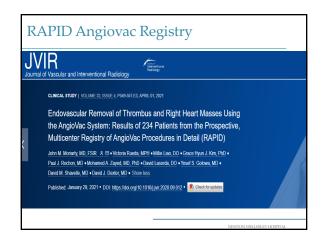


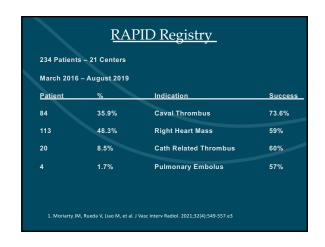


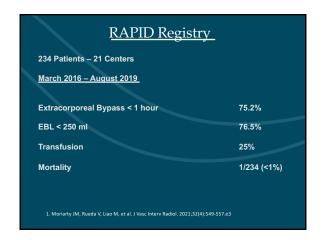




AngioVac® Clinical Experience (2009-2012)		
Patients	375	
Mean Age	54	
Gender	52% Male 48% Female	
Primary Location of UIM™	PA 20% RA 35% Iliofem/IVC 43% Other 2%	
Material Aspirated	97%	
Procedural Success	80% - 90%	
Conversion to Open	1.0%	
Complications	0.6% 2 Tamponade* *wire perfs prior to AngioVac insertion	
Procedural Mortality	< 1 % 1 RA Perforation	
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AngioDynamics Receives FDA Breakthrough Device Designation for the AngioVac System for the Non-Surgical Removal of Right Heart Vegetation

August 15, 2023

Protal Milestone Accelerates Pathway to Specific Indication

LATHAM, NY-(BUSINESS WIRE)-Aug 15, 2023- AngioDynamics, inc (MASDAQ, ANGO), a leading and transformative medical technology company focused on restoring healthy blood five jobs in the body's vascular system, expanding cancer treatment options and improving quality of the for patients, boday announced that the U.S. Food and Drup Administration (FDA) has granted Breakthrough Device designation for the Company's AngioVac System for the proposed indications for use to include the non-surgical removal of vegetation from the right heart.

Conclusions

- The Angiovac Device represents a novel option for the management of
 - extensive IVC and Iliac vein thrombosis,
 - atrial thrombus
 - valvular vegetations,
 - ?PE,

particularly in pts with contra-indications to thrombolysis

 The AngioVac device is a safe and effective device for the removal of undesirable intravascular material from the venous system

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Conclusions

- Lack of prospective randomized data for comparing different modalities
- Team based approach offers best way to balance risks/benefits
- Optimal treatment in your institution will depend on experience, what technology you have available!

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