

AGENDA

DAY ONE

6:30–7:45 **REGISTRATION / CONTINENTAL BREAKFAST**
7:45–8:00 **WELCOME & OPENING REMARKS**

8:00–8:45 **SESSION I EPIDEMIOLOGY**

Incidence, prevalence, and impact of PE in the United States and the rest of the world.
How many death are there?

Prevention of PE in the hospital. What are we doing and where are we going?

APEX/MARINER Trials. What have we learned?

Q & A with the Experts

8:45–9:30 **SESSION II PATHOBIOLOGY**

The Pathobiology of thrombus formation. What is known in 2019.

Pathophysiology of the right ventricle in acute pulmonary embolism

Pulmonary embolism risk factors. Rethinking provoked vs. unprovoked classifications

Natural history of pulmonary embolism

Q & A with the Experts

9:30–10:00 **Break / Visit Exhibits**

10:00–11:00 **SESSION II CLINICAL HISTORY & PHYSIOLOGY**

The importance of a thorough history and physical exam

Which of the vital signs is most important for prognosis and why? Patients appearance, hypotension, tachycardia or blood pressure?

Pretest Probability Scores (Wells, Geneva, PERC rule). What about Clinical Gestalt?

How can we reduce over testing?

Q & A with the Experts

11:00–11:20 **Patient Perspective - Interview and Audience Q&A**

11:20–1:00 **Lunch and Sponsored Satellite Session**

AGENDA

1:00–2:00

SESSION IV LABORATORY & IMAGING

Which laboratory tests do I order? How to interpret a normal D-dimer in the setting of a high pretest probability score. What about age-adjusted D-dimers?

CTA - are there false positives? What tumors might be mistaken for an acute PE? What do I do if the CTA is inconclusive?

Who should get a ventilation perfusion lung scan?

Can we use an echocardiogram to diagnose acute PE? In what settings? And what is the importance of the McConnell's sign for prognosis?

How should lower extremity ultrasound be used in Acute PE for risk stratification?

Q & A with the Experts

2:00–2:50

SESSION V RISK STRATIFICATION

Which method(s) do I use for predicting 30 day mortality (PESI, sPESI, Bova score).

Biomarkers, echocardiogram or CT - Which one best predicts who is not going to do well?

Risk Stratification: How far do we need to go? Do we need every test?

Has PERT changed patient care?

Q & A with the Experts

2:50–3:10

Break/Visit Exhibits

3:10–4:30

SESSION VI TREATMENT OF PE

Should I start an acute pulmonary embolism patient on heparin, LMWH or a DOAC? Are there new anticoagulants in development

Systemic thrombolysis (full dose or 1/2 dose). What are the absolute and relative contraindications?

Catheter directed thrombolysis -(Optalyse, Seattle, Ultima) which one should I use?

Percutaneous Thromboectomy - What are the available devices and their respective indications?

What are the current indications for ECMO and embolectomy?

Adjunctive therapies - When should I place an IVC filter in the setting of an acute PE?

Q & A with the Experts

Register by **May 1st** for **EARLY BIRD** Specials!

AGENDA

4:40–5:40

SIMULTANEOUS BREAKOUT SESSIONS

Breakout Session I : How to Form a PERT Team

- Everything you need to know to form a successful PERT team
- Integrating PERT with clinical work, how do you get everyone to commit?
- What about competition for procedures between specialities?
- What about PERT burnout? What can you do to prevent it?
- Are there legal issues that confront a PERT team?

Q & A with the Experts

Breakout Session II: Special Populations and the DOAC's

- Obesity and the DOACs. What are the weight limits of these agents?
- Drug agents and the DOACs. How should they be managed?
- Renal impairment and the DOACs. How should they be managed?
- What is the latest data on DOACs for patients with HIT or the thrombophilia patient?
- What is the incidence of DOAC failure and how should we manage it?

Q & A with the Experts

Breakout Session III: Pharmacomechanical Therapies in Depth

- Ultrasound assisted thrombolysis. What are the advantages and disadvantages?
- Mechanical thromboectomy - (Flow Trierer, Penumbra, Angiovac). Which one should I use?
- How do we determine who should do interventional procedures for acute PE? Cardiology, Interventional Radiology Vascular Medicine, Vascular Surgery or Thoracic Surgery?
- What qualifications are needed to perform these procedures? What special training is needed?

Q & A with the Experts

Breakout Session IV: How to Reverse Anticoagulation

- What are the approaches to reversing anticoagulation effects in emergent and/or urgent situations. Both non-pharmacologic and blood products.
- The latest update on pharmacologic agents to reverse the direct oral anticoagulants (Annex and Praxabind and other potential drugs in trials).
- Management of bleeding secondary to the use of thrombolytic agents
- Should we have PERT like teams for anticoagulation reversal?

Q & A with the Experts

5:45 –6:15

Scientific Abstracts/Poster Session

6:15–7:30

Industry Sponsored Cocktail Reception

AGENDA

DAY TWO

6:30–7:55 **REGISTRATION / CONTINENTAL BREAKFAST**
7:00–7:50 **BREAKFAST SATELLITE SESSIONS**
7:50–8:00 **DAY 2 OPENING REMARKS**

8:00–9:00 **SESSION VII OUTPATIENT MANAGEMENT OF PE**

Risk Scores to discharge patients home from the ER with an acute PE: Which one is best?

What is the risk of recurrent VTE according to baseline risk factors? (Surgery, trauma or minor trauma)

What is the optimal duration of therapy? And which agent should I use? Include PADIS-PE

Transition of care of an acute PE patient from the ED. What are the mechanics?

Q & A with the Experts

9:00–10:00 **SESSION VIII POST PE MANAGEMENT**

Who is responsible for following the PE patient post hospitalization?

When should I do thrombophilia testing? What about cancer screening?

Which patient needs a follow up ventilation/perfusion scan, echocardiogram or six-minute walk test? How do I decide who should be tested?

How long does it take to recover from an acute PE?

What are some of the determinants in the diagnostic delay of CTEPH?

Q & A with the Experts

10:00–10:30 **Break/Visit Exhibits**

10:30–11:30 **SESSION IX CTEPH**

How do I diagnose CTEPH? What are the clinical clues and risk factors. What tests do I order?

What do we know about the CTEPH Prediction Scores: INPUT, OSIRIS, InShape-2?

What are the medical treatment options for the CTEPH patient?

Pulmonary embolectomy vs. Balloon Angioplasty? Which procedure for which patient?

What are the post-pulmonary endarterectomy outcomes?

Q & A with the Experts

11:30–12:00 **Sessions Most Interesting Paper - PERT CONSENSUS STATEMENT**

12:00–1:30 **Lunch Industry Sponsored Satellite Sessions**

AGENDA

1:30-2:30

SIMULTANEOUS BREAKOUT SESSIONS

Breakout Session V : Pulmonary Embolism in the ER

- What is the role of the Emergency physician in the PERT (team)?
- What about Clinical Rules and the PROPER Trial in the ER?
- What diagnostic strategies do I have in the ER when testing is not straightforward (elderly patients, renal failure, pregnant and unstable patients)?
- What are the treatment options in the ER when time is critical?
- What is the mortality of untreated pulmonary embolism in the ER?

Breakout Session VI: Athletes and PE

- What is the etiology of sports related pulmonary embolism - predisposing factors, including thoracic outlet, popliteal venous and arterial syndrome and May-Thurner Syndrome?
- Contact vs. non contact sports. How to tell an athlete he or she may no longer participate in sports.
- How to manage the patient that wants to continue playing? Are there options?

Q & A with the Experts

Breakout Session VII: Air Travel and PE

- What is the incidence of air travel PE and who is at risk?
- What can you tell your patient to do to prevent air travel PE?
- What to do if a PE develops in the air?
- When can the patient fly again after sustaining a PE?

Q & A with the Experts

Breakout Session VIII: Hemodynamic Support and Surgical Options

- What are indications for using the Impella RP?
- Mechanical circulatory support - when should it be used? VA ECMO, RV assist devices
- Bridging patients with ECMO - when should we use this?
- Which patient is a candidate for suction thrombectomy?
- Which patient is a candidate for acute pulmonary embolectomy?

Q & A with the Experts

AGENDA

2:30–3:30

WORKSHOP SESSIONS

Workshop Session I : Select Topics

- PE and Pregnancy - What are the anticoagulation and thrombolysis options?
- PE in the pediatric patient. Are they treated differently?
- Fat embolism, tumor emboli, amniotic fluid embolism - How do I differentiate these from an acute pulmonary embolism? What are the treatment options?
- What are treatment options for the acute trauma and post surgical PE patient?
- What treatment options do we have for patients with a right atrial and/or left ventricle thrombus?

Q & A with the Experts

Workshop Session II: Techniques for Performing BPA for CTEPH - Who is Qualified to Do This?

- Which patient is a good candidate for performing balloon angioplasty? How many procedures are generally needed?
- What are the complications from BPA?
- Who sets the standards for performing BPA? Which service should do the procedure? Interventional radiology or cardiology or surgery?
- Is there a role for a multidisciplinary team in CTEPH management?
- An update on the International BPA Registry.

Q & A with the Experts

Workshop Session III: IVC Symposium

- What are the indications for IVC filters in the acute PE patient?
- Bedside IVC filter placement - is it readily available and safe?
- What are the complications of IVC filters? Should all temporary IVC filters be retrieved?
- What is the role for the Angel Catheter?
- How to set up a IVC filter registry for your PERT team.

Q & A with the Experts

Workshop Session IV: Quality Issues

- Should each institution have a M&M for PERT Cases?
- Who is monitoring the PERT outcomes at your institution?
- How do I assess the quality of my own PERT Program?
- Setting up a VTE prevention program for hospitalized patients.
- The PERT quality assurance registry-how will it change the future of PE management?

Q & A with the Experts

AGENDA

2:30–3:30

WORKSHOP SESSIONS

Workshop Session V : Hands On

- Intubation technique(s) for the acute PE patient.
- Bedside evaluation of the right ventricle.
- Bedside evaluation of the lower extremity.
- Bedside insertion of IVC filters.
- ECMO: outcomes and the changing paradigm in the acute PE management.

Q & A with the Experts

3:30–4:00

Summary Session