



The
Academy
NEWSLETTER

THE AMERICAN ACADEMY
OF
CARDIOVASCULAR PERFUSION
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WINTER 2018

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PERFUSIONISTS START YOUR PUMPS!

Just a few weeks before the 2019 Daytona 500 many of us will be in Palm Coast, Florida (about 30 min south of Daytona) for the 40th anniversary meeting of the AACP!

After the Academy's chief starter, Dave Palanzo, waves the green flag, meeting participants will enjoy five turbo charged special scientific sessions including:

In Pole Position, Linda Mongero and Ken Fung will moderate **Hot Topics and Current Trends**. This session includes talks on acute kidney injury by Michael Manning, MD, virtual reality tools for surgery by Jonathan Chen, MD, Heartmate III by Justin Sleasman and Transmedics for Lungs by Sally Paul.

Next up, Ken Shann and Kevin Lilly will rev up **Education, Communication and Collaboration with Industry Partners**. This session gives a voice to our meeting sponsors who will deliver talks on the product in their pit that they believe has or will have the greatest impact on patient care.

Allison Weinberg and Bob Grimmatt are in sole possession of the **third position** moderating **Extracorporeal Support- In & Out of the Operation Room**. This session is sure to put a spark in your engines including talks on extracorporeal support for lung transplantation and ECLS for shock by Desiree Bonadonna, available heaters for use during ECMO by Kevin Charette, heparinless ECMO by James Beck and the evolution of ECMO support outside of an ICU setting by the ultimate racing crew chief, Dr. Robert Bartlett, MD.

Always a **strong finisher** and my personal favorite **Complex Congenital Heart Surgery** sits in fourth position. Pediatric speedsters Mike Brewer and Alex Gum will moderate this sleek session including talks about using the cardiopulmonary bypass circuit to prime the ECMO circuit by Mandy Cornelius, management of the adult congenital patient by Rich Walzak, the Ozaki procedure by Christopher Baird, MD, mitochondrial transplantation by Molly Bryant and the use of antibody filters for ABO incompatible heart transplantation by Nigel Cross.

The early favorite to take the checkered flag is in the far lane entitled **Perfusion Considerations for the New Graduate**. Hotshot moderators Joe Deptula and Bharat Datt will lead this session that threatens to **overtake the field** with talks on being the new perfusionist in town by Alex Gum, financial and debt concerns by Kevin Lilly, managing stress and job satisfaction by Josh Walker, and communication and compassion training by Dave Fitzgerald.

Continued on Page 4

The Student Section

Jessica Abellera, Post SCVP
and **Richard Chan**, CCP

NSUH-LIU
School of Cardiovascular
Perfusion

Great Neck, NY



Use of ECMO for a Tracheal Slide Procedure: A Case Report

Airway and surgical management for pediatric patients with tracheal stenosis is complicated and exceptionally difficult if there is an obstruction present. The case being presented involves a seven-month old male weighing 6 kg with a BSA of 0.32m². The patient had a complex medical history including: vascular rings which had been repaired and sever bronchopulmonary dysplasia and tracheal stenosis with complete tracheal rings. The patient was being managed for respiratory failure; however, he was unable to be adequately ventilated despite several valiant attempts. Figure 1 shows how the patient's blood gases were trending at this time.

Figure 1

| pH | PCO2 | PO2 | BE | Hgb | Lactate |
|------|------|-----|-----|-----|---------|
| 7.03 | >132 | 63 | 1.3 | 9.8 | 1.0 |

After a recent cardiac arrest and resuscitation requiring CPR with epinephrine, the decision was made to initiate veno-arterial ECMO.

The Stockert Sled ECMO pump was used with a Terumo tubing pack with a ¼ x ¼ A-V loop. A Maquet Quadrux pediatric oxygenator, Sorin Revolution centrifugal pump head, and Microtemp heater cooler were also used. The HemoChron ACT machine was used to monitor heparin level at the time of ECMO initiation with a goal of approximately 250. The Gem 5000 blood gas analyzer was used to monitor arterial gases. The circuit was primed with two units of washed packed red blood cells with 600 units of heparin, 12.5 grams of albumin, 15meq sodium bicarbonate, and 150mg calcium chloride added to the circuit prime. Patients was cannulated in the right internal jugular with a 12F Biomedicus cannula and in the right carotid with a 10 F Biomedicus cannula.

The use of VA ECMO to manage oxygenation and cardiac dynamic stability while waiting until the patient was stable enough to endure a successful tracheal slide repair. VA ECMO is a critical adjunct for preserving the viability of the lungs and heart support. After five days of ECMO with flows at an index at a 2.5 index approximately 800ml/min, sweep at .9L/min FiO₂ at 100%, CRRT for fluid overload, and therapeutic anticoagulation with anti Xa of 0.3—0.7, the patient was brought to the OR and placed on cardiopulmonary bypass to undergo a tracheal slide repair to correct the tracheal stenosis and rings. Figure 2 is a representative of a typical patient arterial blood gas throughout the ECMO run.

Figure 2

| pH | PCO2 | PO2 | BE | Hgb | Lactate |
|------|------|-----|-----|------|---------|
| 7.45 | 38 | 106 | 1.4 | 10.3 | 1.0 |

The cardiopulmonary bypass circuit that was used was a Stockert S% heart lunch machine with a Terumo tubing pack and a 3/16 x ¼ AV loop with a ¼" boot. A Terumo venous reservoir and oxygenator (FX 05) , Sorin Revolution centrifugal pump, vanguard cardioplegia setup, CardioQuip heater cooler, and Fresenius Cats cell saver were also used. The circuit was primed with 220ml of plasmalyte, 12.5g albumin, 2000 units heparin, 7 meq sodium bicarbonate, 1g

mannitol, 90 mg calcium chloride, and 120ml washed packed red blood cells.

Upon the transition from VA ECMO to cardiopulmonary bypass, careful measures were taken to ensure that no air was entrained into the ECMO circuit or to the patient during this transition. This involved have to periodically clamp out the ECMO circuit while cannulating so that the negative and positive pressure caused by the ECMO circuit did not lead to any air. The patient was cannulated in the right atrium with a single stage 18 F and in the ascending aorta with a 10 F. The choice was also made to disconnect the retired ECMO circuit, but to flush and dead-end those cannulas and leave them in the patient in case ECMO was still needed after the repair. The bypass run lasted for 168 minutes and Figure 3 shows the corresponding blood gasses.

Figure 3

| pH | PCO2 | PO2 | Bicarb | BE | Hgb | Sodium | K+ | Glucose | Lactate |
|------|------|-----|--------|-----|------|--------|-----|---------|---------|
| 7.49 | 32 | 267 | 24.4 | 1.4 | 8.7 | 141 | 4.2 | 109 | 1.1 |
| 7.49 | 33 | 272 | 25.1 | 1.2 | 10.4 | 139 | 4.2 | 113 | 1.2 |
| 7.42 | 41 | 322 | 26.6 | 1.3 | 10.7 | 140 | 4.3 | 110 | 1.1 |
| 7.41 | 40 | 402 | 25.4 | 1.3 | 10.5 | 140 | 4.6 | 111 | 1.1 |
| 7.42 | 29 | 416 | 25.3 | 1.4 | 10.5 | 140 | 4.6 | 102 | 1.0 |

After the trachea was repaired, the patient was wean off of cardio pulmonary bypass. Clinical indicators including blood gases and x-ray were performed to assess the lungs and to determine the state of the patient on ventilation without ECMO. Figure 4 shows the respective blood gases during the 90-minute monitoring period post bypass. The patient was determined to be stable with a successful repair.

Figure 4

5 Minutes Post Bypass

| pH | PCO2 | PO2 | Bicarb | BE | Hgb | Sodium | K+ | Glucose | Lactate |
|------|------|-----|--------|-----|------|--------|-----|---------|---------|
| 7.41 | 39 | 189 | 24.8 | 1.3 | 10.6 | 142 | 3.9 | 102 | 1.1 |

30 Minutes Post Bypass

| pH | PCO2 | PO2 | Bicarb | BE | Hgb | Sodium | K= | Glucose | Lactate |
|------|------|-----|--------|-----|------|--------|-----|---------|---------|
| 7.39 | 41 | 213 | 24.8 | 1.3 | 10.3 | 143 | 4.1 | 123 | 1.4 |

60 Minutes Post Bypass

| pH | PCO2 | PO2 | Bicarb | BE | Hgb | Sodium | K= | Glucose | Lactate |
|------|------|-----|--------|-----|------|--------|-----|---------|---------|
| 7.31 | 50 | 116 | 25.2 | 1.3 | 10.2 | 144 | 3.8 | 138 | 1.3 |

90 Minutes Post Bypass

| pH | PCO2 | PO2 | Bicarb | BE | Hgb | Sodium | K= | Glucose | Lactate |
|------|------|-----|--------|-----|------|--------|-----|---------|---------|
| 7.29 | 47 | 107 | 22.6 | 1.5 | 10.1 | 144 | 3.1 | 126 | 1.1 |

Continued on Page 4

Use of ECMO for a Tracheal Slide Procedure: A Case Report

Continued from Page 3

ECMO was able to provide a reliable source of gases exchange in place of a challenging airway management situation. In addition, cardiopulmonary bypass offered the advantage of improved visibility during the procedure without the risk of air entrainment into a closed system. The use of this technique should lead to better outcomes for tracheal slide repair in the future.

Citations

Graham, T. (2007). Venoarterial Extracorporeal Membrane Oxygenation (VA-ECMO) in Pediatric Cardiac Support. *Yearbook of Cardiology*, 2007, 148-149. doi:10.1016/s0145-4145(08)70098-4

Moran, H. R., Dutta, V., Yan, W., Ghorpade, N. N., Arora, R. C., Singal, R. K., & Strumpher, J. (2018). Extracorporeal membrane oxygenation before surgical repair of a postinfarction ventricular septal defect. *The Journal of Thoracic and Cardiovascular Surgery*, 155(4). doi:10.1016/j.jtcvs.2017.11.083

Zhong, Z., Jiang, C., Yang, F., Hao, X., Xing, J., Wang, H., & Hou, X. (2017). Veno-Arterial Extracorporeal Membrane Oxygenation Support in Patients Undergoing Aortic Surgery. *Artificial Organs*, 41(12), 1113-1120. doi:10.1111/aor.12951

PERFUSIONISTS START YOUR PUMPS!

Continued from Page 1

Folks, the race does not end there. Entertaining us between these sessions are a thunderous roar of supporting events including additional scientific presentations and the ever-popular fireside chats. Organized by the renowned chatterbox Gregory Smigla, the fireside chats are information infernos that are happening on all three full meeting days. In addition, racing enthusiasts Richard, leadfoot, Melchior and Giovanni Andretti (also known as Cecere) are planning a virtual death race, 2019 with the acquisition of perfusion knowledge and support for our meeting sponsors as the ultimate prizes. During this event, participants will have an opportunity to join pit crews and work in teams to help construct their own virtual racecars! Finally, peer into the winner's circle of the memorial lecture session during which Robert Bartlett, MD (drop the mic) will deliver the Charles C. Reed Memorial Lecture followed by the Thomas G. Wharton Memorial Lecture by yours truly.

The venue for all this excitement is at the lovely Hammock Beach Resort where our golf balls are sure to touch the sea. The resort is also near historic St. Augustine and Daytona International Speedway and there is even an onsite water park for the kids. See you there!

Kevin Charette
President, American Academy of Cardiovascular Perfusion

THE ACADEMY TO OFFER LIVE WEBCAST

The American Academy of Cardiovascular Perfusion will again be offering a live webcast of our 2019 Annual Meeting in Palm Coast, Florida. The General Sessions of the meeting and one Fireside Chat each day will be broadcast in high quality streaming video. There will also be an opportunity for attendees to ask questions, thus qualifying for Category I CEUs from the American Board of Cardiovascular Perfusion.



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40th Annual Seminar of The American Academy of Cardiovascular Perfusion



**Hammock Beach Resort
200 Ocean Crest Drive
Palm Coast, Florida
February 6-9, 2019**

(Tentative Program)

Wednesday, February 6, 2019

| | |
|-------------------|--|
| 1:00 PM – 5:00 PM | REGISTRATION |
| 3:30 PM - 4:00 PM | Opening Business Meeting <i>Fellow, Member, Senior and Honorary Members</i> |
| 4:00 PM – 7:00 PM | Manufacturers' Breakout Rooms |

Thursday, February 7, 2019

| | |
|---------------------|---|
| 7:00 AM | REGISTRATION |
| 7:00 AM – 8:00 AM | Video Presentations |
| 8:00 AM – 09:30 AM | Scientific Paper Session |
| 9:30- AM – 11:30 AM | Fireside Chats Clinical Instructor Session ECMO (Webcast Also) Myocardial Preservation Student Forum Using EMRs, Apps and New Technologies to Improve Patient Safety |
| 11:30AM - 1:00PM | Lunch (Historical Videos) |

1:00 PM – 3:00 PM Special Scientific Panel Session
Hot Topics and Current Trends
Moderators: Linda Mongero, Ken Fung
 Transmedics for Lungs and Hearts (Sally Paul)
 Heartmate III Experience (*Justin Sleasman*)
 Ultrafiltration and AKI, (*Dr. Michael Manning*)
 3D Imaging and Virtual Reality; Tools for Surgery (*Dr. Jonathan Chen*)
 Panel Q&A

3:00 PM – 3:30PM Break

3:30PM – 5:30PM Special Scientific Panel Session
**Education, Communication and Collaboration
 with Industry Partners**
Moderators: Kenny Shann, Kevin Lilly

06:00PM Sponsor's Hands-On Workshop & Reception

Friday, February 8, 2019

7:00 AM REGISTRATION
 7:00 AM – 7:45 AM Video Presentations
 7:45 AM – 9:30 AM Scientific Paper Session
 9:30- AM – 11:30 AM Fireside Chats
 Anticoagulation
 ECMO Scenarios
 Perfusion Accidents
 Pump On: The First Five Years (Webcast Also)
 Research: How to Conduct, Publish and Get IRB Approval

11:30AM - 1:00PM Lunch (Historical Videos)

1:00 PM – 3:00 PM Special Scientific Panel Session
Extracorporeal Support - In & Out of the Operating Room
Moderators: Allison Weinberg, Robert Grimmer
 Extracorporeal Support for Lung Transplant: Pre, Peri, and
 Postoperative Techniques (*Desiree Bonadonna*)
 ECLS for Shock (*Desiree Bonadonna*)
 Heaters for ECMO (*Kevin Charette*)
 Heparinless ECMO: It is long past due, are we there yet? (*James Beck*)
 How to Get ECMO Out of the ICU (*Dr. Robert Bartlett*)
 Panel Q&A

3:00 PM – 3:30PM Break

3:30 PM – 5:30 PM Memorial Session
Charles C. Reed Memorial Lecture (*Robert H. Bartlett, MD*)
Thomas G. Wharton Memorial Lecture (*Kevin Charette, CCP*)

6:30 PM Induction Dinner
All Attendees and Guests

Saturday, February 9, 2019

| | |
|---------------------|--|
| 7:00 AM | REGISTRATION |
| 7:00 AM – 7:45 AM | Video Presentations |
| 7:45 AM – 9:30 AM | Scientific Paper Session |
| 9:30 AM – 10:00 AM | Break |
| 10:00 AM – 11:30 AM | Special Scientific Panel Session Complex Congenital Heart Surgery <i>Moderators: Michael Brewer, Alex Gum</i> Using CPB to Prime ECMO (Mandy Cornelius) Managing the Adult Congenital Patient (Richard Walczak) Ozaki Procedure (Dr. Christopher Baird) Mitochondrial Transplantation (Molly Bryant) Antibody Filters During Their ABO Incompatible Heart Transplants (Nigel Cross) Panel Q&A |
| 11:30 AM – 1:00 PM | Lunch (Historical Videos) |
| 1:00 PM – 3:30 PM | Special Scientific Panel Session Perfusion Considerations For The New Perfusionist <i>Moderators: Joseph Deptula, Bharat Datt</i> Managing the “New Perfusionist in Town” role (Alex Gum) Managing Finances and Incurring Debt (Kevin Lilly) Managing Stress and Job Satisfaction (Josh Walker) Interpersonal/Professional Communication (Anthony Corsino) Compassion & Empathy Training for Interaction with Patient and Family Outside the OR (David Fitzgerald) Panel Q&A |
| 3:30 PM – 5:30 PM | Fireside Chats Blood Conservation, Transfusion Triggers Dealing With Stress, Work Life Balance, Team Building, Communication Evolving Scope of Practice: Past, Present and Future Pediatrics Taking the Show on The Road: Transporting VADs and ECMOs (Webcast Also) |
| 5:30 PM | Closing Business Meeting <i>Fellow, Senior and Honorary Members Only</i> |

2019 Annual Academy Meeting Host Hotel



Hammock Beach Resort 200 Ocean Crest Drive Palm Coast, Florida

Single/Double Occupancy - \$220.00 per night
(Main Tower Ocean View - Premium One Bedroom)
Reservations: 866-841-0287 (Code: CARDIO)

Please mention that you will be attending the Annual Conference of The American Academy of Cardiovascular Perfusion when making your reservations.

Paper and Poster Presentations

AACP 2019 Paper Presentations

Thursday, February 7, 2019 (07:45 – 9:30 AM)

EFFECTS OF BLOOD MANAGEMENT AND HEMATOCRIT THRESHOLD ON CLINICAL OUTCOME
Dustin Steht; NSUH-LIUPOST SCVP

THE EVOLUTION OF PATIENT BLOOD MANAGEMENT PROGRAMS IN AORTIC VALVE SURGERY: WHAT IS THE ULTIMATE FRONTIER?
Kevin McCusker¹, Serdar Gunaydin², Steve Singh³; New York Medical College, Valhalla, New York¹; Department of Cardiac Surgery, University of Health Sciences, Ankara-Turkey², Brigham and Women's Hospital, Boston, MA³

THE EFFECT OF VARIOUS BLOOD MANAGEMENT STRATEGIES ON INTRAOPERATIVE RED BLOOD CELL TRANSFUSION IN FIRST TIME CORONARY ARTERY BYPASS GRAFT PATIENTS
Alfred H. Stammers, Eric Tesdahl, Linda B. Mongero, Andy Stasko; Medical Department, SpecialtyCare, Nashville, TN

FLOLAN VS. BIVALIRUDIN DURING CARDIOPULMONARY BYPASS: COST, OUTCOMES, LIMITATIONS
Nathali Gomez; NSUH-LIUPost SCVP

VALIDATION OF TRANSCUTANEOUS CARBON DIOXIDE DURING PULSATILE ADULT CARDIOPULMONARY BYPASS
Lawrence Garrison¹, Jeff Riley², Steve Wysocki¹, Jennifer Souai¹, Hali Julick¹; ¹Franciscan Health Indianapolis, Indianapolis IN and ²State University of New York Upstate, Syracuse NY

Friday, February 8, 2019 (07:45 – 9:30 AM)

SAFETY RELATIVE TO STAFFING REQUIREMENTS FOR THE CARDIOVASCULAR PERFUSIONIST
Alexandra Rezler; NSUH-LIUP School of Cardiovascular Perfusion

MODIFIED BLOOD RICH DEL NIDO VS THE TRADITIONAL DEL NIDO RELATIVE TO CLINICAL OUTCOMES
Joseph Catricala; NSUH-LIUP SCVP

SAFETY DILEMMA OF LONG-TERM PROTECTION OF DEL NIDO / HTK CARDIOPLEGIA IN MINIMALLY INVASIVE VALVE SURGERY: CLINICAL IMPACT ON MICROVASCULAR INTEGRITY CONFIRMED BY CELL CULTURE DATA
Kevin McCusker¹, Serdar Gunaydin², Steve Singh³; New York Medical College, Valhalla, New York¹; Department of Cardiac Surgery, University of Health Sciences, Ankara-Turkey², Brigham and Women's Hospital, Boston, MA³

SCIENCE AND SPECIFICS OF VENTRICULAR ASSIST DEVICES IN PEDIATRICS AND IMPLICATIONS FOR CLINICAL PRACTICE
Isaac Chinnappan; Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN

PREVENTION OF HYPERNATREMIA DURING PERIOPERATIVE PHASES OF CARDIOPULMONARY BY-PASS IN PEDIATRICS: EVALUATION OF ACIDIC BIOMARKERS AND OPTIMIZATION OF SODIUM BICARBONATE ADMINISTRATION

Isaac Chinnappan; Monroe Carell Jr. Children's Hospital at Vanderbilt University, Nashville, TN

RETROSPECTIVE REVIEW OF ROTATIONAL THROMBOELASTOMETRY (ROTEM) DURING REWARMING IN CARDIAC SURGICAL PATIENTS LESS THAN TEN KILOGRAMS

Jillian Faircloth, Ryan Botham, Nico Festejo, Minoo Kavarana, Scott Bradley, David Fitzgerald Joseph J. Sisti-
no; Medical University of South Carolina

Saturday, February 9, 2019 (07:45 – 9:30 AM)

RETROGRADE AUTOLOGOUS PRIMING TO REDUCE ALLOGENEIC BLOOD TRANSFUSION REQUIREMENTS: A SYSTEMATIC REVIEW

NPA Vranken¹, ZB Babar¹, JAM Montoya², PW Weerwind¹;

¹Department of Cardiothoracic Surgery, Maastricht University Medical Center, Maastricht, the Netherlands,

²Perfusion Sciences Program, Department of Pharmacology, University of Arizona, Tucson, Arizona

CAN UPPER EXTREMITY, PERIPHERAL NIRS MONITORING BE USED TO ASSESS INNOMINATE ARTERY AND CEREBRAL PERFUSION ON ADULT ECMO PATIENTS?

James Beck, Killian Patton-Rivera, Kenmond Fung, Christine Chan, Hiroo Takayama; New York Presbyterian Hospital, Columbia University Medical Center, New York, NY

UTILIZING NEW TECHNOLOGIES BY INCORPORATING PREDICTIVE ANALYTICS FOR EXTRACORPOREAL MEMBRANE OXYGENATOR CHANGE-OUT

Christine Chan; New York Presbyterian Hospital, Columbia University Medical Center, New York, NY

EFFECTS OF HEMOCONCENTRATION DURING CARDIOPULMONARY BYPASS ON RENAL FUNCTION POST-OPERATIVELY

Natasha Povar; NSUH-LIUP SCVP

USING A QUALITY IMPROVEMENT INITIATIVE TO REDUCE ACUTE KIDNEY INJURY DURING ON-PUMP CORONARY ARTERY BYPASS GRAFTING

Mitchell Katona, Joshua Walker, Nitin Das, Stewart Miller¹, Edward Sako; The University of Texas Health Science Center at San Antonio, Department of Cardiothoracic Surgery, The University of Texas at San Antonio, College of Business¹

BLOOD FLOW PROFILES OF THREE CONTEMPORARY ADULTS OXYGENATORS

Rik H. J. Hendrix, Yuri M. Ganushchak, Patrick W. Weerwind; Department of Extra-Corporeal Circulation, Maastricht University Medical Centre, Maastricht, The Netherlands

AACP 2019 Poster Presentations

COMPARING TWO OXYGENATORS FOR ARTERIAL OXYGEN CONCENTRATION AND DELIVERY OF OXYGEN DURING CARDIOPULMONARY BYPASS

Ian Nielsen; Quinnipiac University Cardiovascular Perfusion Program

SUCCESSFUL USE OF ECMO FOR A TRACHEAL SLIDE PROCEDURE: A CASE REPORT

Jessica Abellera; NSUH-LIUPost SCVP

PRE-REGISTRATION FORM

The 2019 Annual Meeting of
The American Academy of Cardiovascular Perfusion

| | | | |
|---|---|---|---|
| MEMBER Registration Fee 2019 Annual Dues Guest to Induction Dinner Adult Guest to Workshop | FEE \$445.00 \$155.00 \$100.00 \$25.00 | Amount _____ _____ _____ _____ | FIRESIDE CHAT REGISTRATION (make your first three choices each day) Thursday Sessions 1) _____ 2) _____ 3) _____ Friday Sessions 1) _____ 2) _____ 3) _____ Saturday Sessions 1) _____ 2) _____ 3) _____ |
| NON-MEMBER Registration Fee Guest to Induction Dinner Adult Guest to Workshop | FEE \$495.00 \$100.00 \$25.00 | Amount _____ _____ _____ | |
| STUDENT PERFUSIONIST Registration Fee Guest to Induction Dinner Adult Guest to Workshop <i>*MUST be a current Student Member of The Academy.</i> | FEE \$100.00* \$100.00 \$25.00 | Amount _____ _____ _____ | |
| FELLOW or SENIOR MEMBER Registration Fee 2019 Annual Dues Guest to Induction Dinner Adult Guest to Workshop | FEE \$445.00 \$180.00 \$100.00 \$25.00 | Amount _____ _____ _____ _____ | |

PRINT OR TYPE
NAME _____

HOME ADDRESS _____

CITY _____ STATE _____ ZIP _____

HOME PHONE _____ WORK PHONE _____

E-MAIL ADDRESS _____ (Required for confirmation)

ANTICIPATED ARRIVAL DATE IN PALM COAST _____

How long have you been in the perfusion field? _____

Will you be attending the Induction Dinner on Friday evening? YES NO
(Dark Suit and Tie Required / Black Tie Optional)

Please read all instructions and information before completing this form.

If you have questions completing this form, please call the national office. Hotel Reservations must be made separately through the hotel directly.

Total Amount of Payment \$ _____ METHOD OF PAYMENT: Check** ___ Money Order ___ Credit Card ___

VISA/MasterCard # _____ Exp. Date _____ 3-digit security code ___ _ _

Credit card billing address if different from above.

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Signature _____

** There will be a \$25.00 service charge for any check returned for insufficient funds.

INSTRUCTIONS and INFORMATION

- o Complete each appropriate section of this form by printing or typing.
- o *All attendees are invited to the Induction Dinner on Friday evening. Attire is dark suit and tie required.*
- o Members must pay their 2019 Annual Dues along with their registration fees by completing that portion of the form.
- o You will receive acknowledgment of your pre-registration by January 11, 2019--bring it with you to the meeting.
- o No pre-registration will be processed after January 4, 2019.

-- After this date you must register at the meeting.

- o Your receipt and meeting credentials will be available for you at the Pre-Registration desk at the meeting.
- o There will be **NO ADMISSION to any Fireside Chat without proper admission credentials.**
- o If you are joining The Academy with your registration you must:
 - 1) complete appropriate areas of the form;
 - 2) you **MUST INCLUDE** the membership application form;
 - 3) include the \$25 filing fee;
 - 4) include \$155 for the 2019 Annual Dues;(Your membership begins with the closing business meeting)
- o ONLY VISA/MasterCard credit cards are accepted - with VISA/MasterCard you may FAX your registration to (717) 867-1485
- o The AACP Federal Tax ID Number: 63-0776991 (for hospital use only)
- o Refund policy: Anyone that is pre-registered for this meeting and is unable to attend will receive a full refund minus \$50.00 for handling, mailing, and processing upon written request before January 11, 2019.

- o **Make checks payable to AACP (US dollars). Mail completed pre-registration form and check to:**

**AACP
515A East Main Street
Annville, PA 17003**

IF YOU HAVE QUESTIONS FILLING OUT THIS FORM, PLEASE CONTACT THE NATIONAL OFFICE (717) 867-1485.

- o If paying by VISA/MasterCard you may FAX this form to (717) 867-1485 or mail to above address.

Important Academy Dates

The ACADEMY ANNUAL MEETING DEADLINES

| | |
|----------------------------|---------------------------|
| ABSTRACT DEADLINE | October 15, 2018 |
| MEMBERSHIP DEADLINE | December 6, 2018 |
| PRE-REGISTRATION | January 9, 2019 |
| HOTEL REGISTRATION | January 9, 2019 |
| 2019 ANNUAL MEETING | February 6-9, 2019 |

Others Meetings

Chop Cardiology and Pediatric Cardiac Surgery

February 13 – 17, 2019

Hyatt Regency Huntington Beach Resort and Spa
Huntington Beach, CA

Phone: (714) 698-1234

Contact Name: Tami Rosenthal

Contact Phone: 215-206-8491

Contact Email: rosenthalt@email.chop.edu

18th European Congress on Extracorporeal Circulation Technology

Grand Hotel

Salerno, Italy

June 12– 14, 2019

Sponsored by the Foundation European Congress on Extracorporeal Circulation Technology (FECECT)

Website: <http://www.fecect.org>

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Website: www.questmedical.com

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