



**The 5th International Congress  
on Cardiac Problems in Pregnancy (CPP 2018)**

22-25 February, 2018  
Bologna, Italy

**Thursday, February 22<sup>nd</sup> 2018**

14:00-19:30	Registration Hours
19:30-21:00	Get-together Reception

Friday, Feb 23<sup>rd</sup> 2018

All Day Registration

8:30-9:20

Opening Ceremony

**Greetings**

Uri Elkayam, MD CPP 2018 Congress chairman

8:30-8:50

**Awards**

**Presentation of the CPP2018 Awards for distinguished contributions**

**Presented by:**

Jane Sommerville

United Kingdom

Jolien Roos-Hesselink

The Netherlands

8:50-9:20

**Opening Lecture**

**Cardiovascular physiology of pregnancy and the puerperium**

Uri Elkayam

University of Southern California, LA, USA

9:20-11:35

**Risk Prediction and Maternal Mortality**

Chairs: Avraham Shotan, Petronella G Pieper

9:20-9:35

**Methods for risk assessment prior and during pregnancy. How do they apply to the individual patient?**

Petronella G (Els) Pieper

University Medical Center, Groningen, The Netherlands

9:35-9:50

**Contraception in women with cardiac disease**

Joan Briller

University of Illinois, Chicago, USA

9:50-10:05

**Maternal Mortality Review: Did it improve outcomes?**

Leisa Freeman

Norfolk & Norwich University Hospital, Norwich, United Kingdom

10:05-10:20

**Pre-conception interventions in women with heart disease - what is the evidence?**

Rafael Hirsch

Rabin Medical Center, Petah Tikva, Israel

10:20-10:35

**Morbidity and Mortality from Maternal Cardiac Disease in Developing Countries: What we know and what we need to learn?**

Paul Gibson

University of Calgary, Calgary, Canada

10:35-10:50

**Assisted Fertilization in the Older Woman: Primer on Techniques and Discussion of Cardiac Risks**

Norbert Gleicher

Center of Human Reproduction New York and Foundation for Reproductive Medicine, New York, USA

10:50-11:05

**Pregnancy and cardiovascular outcome in elderly gravidae - short and long-term complications**

	<p>Michal Simchen Sheba Medical Center, Tel Hashomer, Israel</p>		
11:05-11:20	<p><b>Spirals of Death: Why Particular Maternal Cardiac Diseases Pose High Risk for Anesthesia Related Mortality?</b> Katherine W Arendt Mayo Clinic, Rochester, USA</p>		
11:20-11:35	<p><b>Update on the ECS Guidelines for Cardiac Disease in Pregnancy</b> Jolien Roos Hesselink Erasmus Medical Center, Rotterdam, The Netherlands</p>		
11:35-11:50	<p style="text-align: center;"><b>Coffee Break and Exhibition Visit</b></p>		
11:50-13:20	<p><b>Cardiac Evaluation during Pregnancy</b> Chairs: Samuel C Siu, Joan Briller, Rachel Wald</p>	11:50-13:20	<p><b>Vascular disease and Pregnancy</b> Chairs: Jolien Roos-Hesselink, Afshan Hameed, Jorg Stein</p>
11:50-12:05	<p><b>Echocardiographic changes in normal pregnancy</b> Joan Briller University of Illinois, Chicago, USA</p>	11:50-12:05	<p><b>Marfan syndrome and pregnancy-an update</b> Sorel Goland Kaplan Medical Centre, Rehovot, Israel</p>
12:05-12:20	<p><b>Current concepts for radiation in pregnancy</b> Patrick Colletti University of Southern California, LA, USA</p>	12:05-12:20	<p><b>Non-marfan aortic disorders and pregnancy</b> Heidi Connolly Mayo Clinic, Rochester, USA</p>
12:20-12:35	<p><b>The role of biomarkers in pregnancy</b> Leisa Freeman Norfolk &amp; Norwich University Hopsital, Norwich, United Kingdom</p>	12:20-12:35	<p><b>Pregnancy in women with Turner syndrome</b> Jolien Roos-Hesselink Erasmus Medical Center, Rotterdam, The Netherlands</p>
12:35-12:50	<p><b>Carpreg 20 years later: What have we learnt?</b> Samuel C Siu Western University, London, Ontario, Canada</p>	12:35-12:50	
12:50-13:05	<p><b>Current concepts for MRI in pregnancy</b> Patrick Colletti University of Southern California, LA, USA</p>	12:50-13:05	<p><b>Takayasu's arteritis and pregnancy</b> EriKa Jones University of Southern California, LA, USA</p>
13:05-13:20	<p><b>Starting and maintaining a Pregnancy and Heart Disease Program: Lessons from Business World</b> Samuel C Siu Western University, London, Ontario, Canada</p>	13:05-13:20	
		13:50-14:20	<p style="text-align: center;"><b>LUNCH SESSION</b> <b>Case Presentations</b> Moderators: Uri Elkayam, Carole Warnes</p>
		13:50-14:00	
		14:00-14:10	
		14:10-14:20	

14:30-15:30	<b>Congenital Heart Disease</b> Chair: Marla Mendelson, Eli Gutterman	14:30-15:30	<b>Valvular Heart Disease</b> Chair: Claire McLintock, Sabrina Phylips
14:30-14:45	<b>Preconception evaluation of women with complex congenital heart disease</b> Marla Mendelson Northwestern Feinberg School of Medicine, Chicago, USA	14:30-14:45	<b>Rheumatic valvular disease and Pregnancy</b> Claire McLintock Auckland City Hospital, Auckland, New Zealand
14:45-15:00	<b>Multidisciplinary approach for management of high risk patient with congenital heart disease</b> Mary Canobbio University of California, LA, USA	14:45-15:00	<b>Aortic stenosis - lessons from ROPAC</b> Iris Van Hagen Erasmus Medical Center, Rotterdam, The Netherlands
15:00-15:15	<b>Genetic etiology of congenital heart disease</b> Eli Gutterman Carmel Medical Center & Clalit Health Services, Haifa, Israel	15:00-15:15	<b>Pregnancy in patients with mechanical prosthetic valve, the ROPAC experience.</b> Jolien Roos-Hesselink Erasmus Medical Center, Rotterdam, The Netherlands
15:15-15:30	<b>How pregnancy impact adult cyanotic congenital heart disease?</b> Magalie Ladouceur Hôpital Européen Georges Pompidou, Paris, France	15:15-15:30	<b>How to decrease radiation exposure during interventional procedures in pregnancy</b> Patrizia Presbitero Istituto Clinico Humanitas, Rozzano (Milan), Italy
15:30-15:45	<b>Coffee Break, Poster Viewing and Exhibition Visit</b>		
15:45-17:00	<b>Cardiomyopathies</b> Chairs: Sorel Goland, Mary Canobbio	15:45-17:00	<b>Hypertension, Pre-eclampsia and Eclampsia</b> Chairs: Lee Padove, Moti Halak
15:45-16:00	<b>pregnancy in patients with diminished ventricular function</b> Jolien Roos-Hesselink Erasmus Medical Center, Rotterdam, The Netherlands	15:45-16:00	<b>Hypertension in pregnancy - Review of the guidelines</b> Afshan Hameed University of California, Irvine, USA
16:00-16:15	<b>Preconception counseling and evaluation of the cardiac transplant patient</b> Mary Canobbio University of California, LA, USA	16:00-16:15	<b>Induction of Anesthesia in the Pre eclamptic Patient in Heart Failure</b> Katherine W Arendt Mayo Clinic, Rochester, USA
16:15-16:30	<b>Controversies in the Classification and Diagnosis of Isolated Left Ventricular Noncompaction</b> Radha Sarma Western University of Health Sciences, Pomona, USA	16:15-16:30	<b>Preclampsia amd pregnancy complications</b> Afshan Hameed University of California, Irvine, USA
16:30-16:45	<b>Challenges in the management of pregnant women with severe Amphetamine induced cardiomyopathy.</b> Ofer Havakuk Tel Aviv Medical Center, Tel Aviv, Israel	16:30-16:45	<b>Preeclampsia and risk pf atherosclerotic coronary artery disease</b> Vesna Garovic Mayo Clinic, Rochester, USA
16:45-17:00	<b>Practice based Evidence for treatment of pregnancy and</b>	16:45-17:00	<b>A program to follow patients with preeclampsia who are at</b>



## Saturday, Feb 24<sup>th</sup> 2018

All Day Registration			
7:00-8:00	<b>BREAKFAST MORNING SESSION</b> Case Presentations** Chairs: Uri Elkayam, Avraham Shotan		
8:00-10:15	<b>Valvular Heart Disease</b> Chairs: Patrizia Presbitero, Candice Silversides	8:00-10:15	<b>Arrhythmias and Hypertension</b> Chairs: Paul Gibson, Danna Spears
8:00-8:15	<b>Congenital valvular disease during pregnancy</b> Candice Silversides Mount Sinai Hospital, Toronto, Canada	8:00-8:15	<b>Approach to Disturbances of Heart Rhythm in Pregnancy</b> Danna Spears Toronto General Hospital, Toronto, Canada
8:15-8:30	<b>Dose-dependency of fetal effects of vitamin k antagonists: Fact or fiction?</b> Petronella G (Els) Pieper University Medical Center, Groningen, The Netherlands	8:15-8:30	<b>Syncope in pregnancy: Mechanisms and management</b> Paul Gibson University of Calgary, Calgary, Canada
8:30-8:45	<b>Low-molecular weight heparin for anticoagulation in the pregnant patient with mechanical prosthetic valve: How to improve safety?</b> Uri Elkayam University of Southern California, LA, USA	8:30-8:45	<b>Atrial fibrillation in pregnancy</b> Lee B Padove The Medical Group of Saint Joseph's, Atlanta, USA
8:45-9:00	<b>The selection of prosthetic heart valve for women in childbearing age</b> Claire McLintock Auckland City Hospital, Auckland, New Zealand	8:45-9:00	<b>Inherited Arrhythmias in Pregnancy</b> Danna Spears Toronto General Hospital, Toronto, Canada
9:00-9:15	<b>TAVI in Bicuspid aortic valve: can be an alternative to valve replacement in severe aortic valve disease?</b> Patrizia Presbitero Istituto Clinico Humanitas, Rozzano (Milan), Italy	9:00-9:15	<b>Cardiopulmonary resuscitation in Pregnancy</b> Joan Briller University of Illinois, Chicago, USA
9:15-10:30	<b>Congenital Heart Disease</b> Chairs: Heidi Connolly, Carole Warnes		
9:15-9:30	<b>Maternal-Fetal Hemodynamics by Cardiovascular Magnetic Resonance - What Can We Learn About Women with Congenital Heart Disease?</b> Rachel Wald Toronto General Hospital, Toronto, Canada		
9:30-9:45	<b>Management of simple congenital cardiac disorders and pregnancy</b>		

	Heidi Connolly Mayo Clinic, Rochester, USA
9:45-10:00	<b>Management of complex congenital cardiac disorders and pregnancy</b> Carole Warnes Mayo Clinic, Rochester, USA
10:00-10:15	<b>The effect of pregnancy on the systemic right ventricle</b> Carole Warnes Mayo Clinic, Rochester, USA
10:15-10:30	<b>Single ventricle moms - what do we need to be concerned about?</b> Sabrina Phillips University of Oklahoma, Oklahoma City, US
10:30-10:45	<b>Coffee Break and Exhibition Visit</b>
10:45-12:45	<b>Management during Labour and Delivery</b> Chairs: Mathew Sermer, Mark Johnson
10:45-11:00	<b>Management of labour in women with cardiac disease</b> Mark Johnson Imperial College London, London, United Kingdom
11:00-11:15	<b>Fertility therapy in women with cardiac disease</b> Candice Silversides Mount Sinai Hospital, Toronto, Canada
11:15-11:30	<b>The obstetrician approach to labour management</b> Mathew Sermer Mount Sinai Hospital, Toronto, Canada
11:30-11:45	<b>Cardiac effect of drugs used for induction of labour and prevention and treatment of postpartum hemorrhage</b> Mark Johnson Imperial College London, London, United Kingdom
11:45-12:00	<b>Cardiovascular effects of anesthesia for c-section delivery in the cardiac patient</b> Katherine W Arendt Mayo Clinic, Rochester, USA
12:00-12:15	<b>Anesthesia management in the patient with congenital heart disease</b> Jean Maria Carabuena The Brigham and women's hospital, Boston, US
12:15-12:30	<b>Ventilator Management in Pregnancy for the Intubated Cardiac Patient</b> Katherine W Arendt Mayo Clinic, Rochester, USA
12:30-12:45	<b>Post-partum effects of pregnancy on cardiac disease</b> Lee B Padove The Medical Group of Saint Joseph's, Atlanta, USA



12:45-14:00	<b>LUNCH BREAK and EXHIBITION VISIT</b>	13:15-13:45	<b>LUNCH SESSION Case Presentations</b> Moderators: Heidy Conolly, Candice Silversides,
		13:15-13:25	
		13:25-13:35	
		13:35-13:45	
14:00-15:30	<b>Coronary artery Disease</b> Chairs: Dennis McNamara, Zoltan Arani	14:00-15:30	<b>Myocardial and Pericardial disorders</b> Chairs: Dianne Zwicke, Rafael Hirsch
14:00-14:15	<b>Spontaneous coronary dissection in pregnancy: A high risk condition</b> Ofar Havakuk Ichilov Medical center, Tel Aviv, Israel	14:00-14:15	<b>Myocarditis in pregnancy</b> Avraham Shotan Hillel Yaffe Medical Center, Hadera, Israel
14:15-14:30	<b>How to decide the best treatment for pregnancy associated SCAD in Acute Coronary Syndrome?</b> Patrizia Presbitero Istituto Clinico Humanitas, Rozzano (Milan), Italy	14:15-14:30	<b>Pericardial disease in Pregnancy</b> Marla Mendelson Northwestern Feinberg School of Medicine, Chicago, USA
14:30-14:45	<b>Acute myocardial infarction in pregnancy: A unique condition that requires a unique approach</b> Uri Elkayam University of Southern California, LA, USA	14:30-14:45	<b>Case Based Approaches to treatment of pregnancy and anthracycline cardiomyopathy</b> Jean-Bernard Durand University of Texas MD Anderson Cancer Center, Houston, USA
14:45-15:45	<b>Peripartum Cardiomyopathy</b> Chairs: Dennis McNamara, Zoltan Arani	16:00-16:15	<b>Myocardial and Pericardial disorders</b> Chairs: Dianne Zwicke, Rafael Hirsch
14:45-15:00	<b>The role of the right ventricle in PPCM</b> Lori Blauwet Mayo Clinic, Rochester, USA	14:45-15:00	<b>Pregnancy in pulmonary hypertension: An update</b> Dianne Zwicke Aurora St. Luke's Medical Center, Milwaukee, USA
15:00-15:15	<b>Sudden death mortality in PPCM. Incidence, risk factors and prevention</b> Uri Elkayam University of Southern California, LA, USA	15:00-15:15	<b>Amniotic fluid embolus - management and pregnancy outcome in AFE survivors</b> Michal Simchen Sheba Medical Center, Tel Hashomer, Israel
15:15-15:30	<b>Medical treatment of PPCM</b> Maria Schaufelberger University of Gothenburg, Gothenburg, Sweden	15:15-15:30	<b>Pregnancy in pulmonary hypertension. Recommendations for successful outcome</b> Dianne Zwicke Aurora St. Luke's Medical Center, Milwaukee, USA
15:30-15:45	<b>Outcome of subsequent pregnancy - The Mayo Clinic experience</b> Lori Blauwet Mayo Clinic, Rochester, USA	15:30-15:45	



15:45-16:00	<b>Coffee Break and Exhibition Visit</b>		
16:00-17:30	<b>Cardiomyopathies and heart failure</b> Chairs: Radha Sarma, Michael Moritz	16:00-17:30	
16:00-16:15	<b>Hypertrophic cardiomyopathy - The ROPAC experience</b> Sorel Goland Kaplan Medical Centre, Rehovot, Israel	16:00-16:15	
16:15-16:30	<b>Diagnostic and therapeutic options for cancer survivors and pregnancy and chemotherapy induced cardiomyopathy</b> Jean-Bernard Durand University of Texas MD Anderson Cancer Center, Houston, USA	16:15-16:30	
16:30-16:45	<b>Management of Cardiac Complications in Patients with Left Ventricular Noncompaction</b> Radha Sarma Western University of Health Sciences, Pomona, USA	16:30-16:45	

<b>Sunday, Feb 25<sup>th</sup> 2018</b>	
<b>8:00-9:10</b>	<b>Cardiovascular Medications and Interventions</b> Chairs: Hedi Connolly, Katherine W Arendt
<b>8:00-8:15</b>	<b>Pharmacokinetics of drugs in pregnancy and lactation</b> Irving Steinberg University of Southern California, LA, USA
<b>8:15-8:40</b>	<b>Cardiovascular medications in pregnancy</b> TBA
<b>8:40-8:55</b>	Catether based interventions in pregnancy Anil Mehra University of Southern California, LA, USA
<b>8:55-9:10</b>	<b>Cardiac surgery during pregnancy</b> Heidi Connolly Mayo Clinic, Rochester, USA
<b>9:10-10:25</b>	<b>Peripartum Cardiomyopathy</b> Chairs: Uri Elkayam, Denise Hilfiker-kleiner
<b>9:10-9:25</b>	<b>Twenty years of PPCM investigation: An historical perspective and future directions</b> Jim Fett University of Pittsburgh Medical Center, Pittsburgh, USA
<b>9:25-9:40</b>	<b>Remodeling and recovery in PPCM</b> Dennis McNamara University of Pittsburgh, Pittsburgh, USA
<b>9:40-9:55</b>	<b>Racial differences in peripartum cardiomyopathy</b> Zoltan Arany University of Pennsylvania, Philadelphia, USA
<b>9:55-10:10</b>	<b>Lessons from the worldwide PPCM registry</b> Denise Hilfiker-Kleiner Medical School Hannover, Hannover, Germany
<b>10:10-10:25</b>	<b>The discrepancy between change in cardiac function and symptoms after PPCM</b> Maria Schaufelberger University of Gothenburg, Gothenburg, Sweden
<b>10:25-10:40</b>	<b>Coffee Break, Poster Viewing and Exhibition Visit</b>
<b>10:40-13:00</b>	<b>Peripartum Cardiomyopathy</b> Chairs: Uri Elkayam, Denise Hilfiker-kleiner
<b>10:40-10:55</b>	<b>Risk of subsequent pregnancy - perspective</b> Uri University of Southern California, LA, USA

10:55-11:10	<b>Lessons from the prospective investigation of pregnancy associated cardiomyopathy (IPAC) trial</b> University of Pittsburgh, Pittsburgh, USA
11:10-11:25	<b>Bromocriptine for the treatment of PPCM: A multicenter, randomized study - results and implications</b> Denise Hilfiker-Kleiner Medical School Hannover, Hannover, Germany
11:25-11:40	<b>Genetics of Peripartum Cardiomyopathy</b> Zoltan Arany University of Pennsylvania, Philadelphia, USA
11:40-12:00	Abstracts
12:00-12:40	<b>Debate: Bromocriptine in the treatment of PPCM. Do we have enough evidence?</b> <b>Pro:</b> Denise Hilfiker-Kleiner Medical school Hannover, Hannover, Germany <b>Con:</b> Uri Elkayam University of Southern California, LA, USA
12:40-13:00	<b>A panel discussion: Bromocriptine in the treatment of PPCM; Is it ready for prime time?</b> Moderator: Uri Elkayam; Denise Hilfiker-Kleiner, Lori Blauwet, Dennis Mcnamara, Zoltan Arani, Maria Schaufelberger, Mark Johnson
13:00-13:05	<b>Closing Remarks:</b> Uri Elkayam, Avraham Shotan