

Chairpersons:

Noohi. F, Yousefnia. MA, Sadeghipour. P, Oveisi. M, Nasiraei Moghadam A

Moderator: Maleki. M

- 08:20-08:30 **Recitation of some verses from the Holy Quran**
National Anthem of the Islamic Republic of Iran
- 08:30-08:45 Is medical practice becoming more precise?
Mani. A (USA)
- 08:45-09:00 Quantitative analysis in Cardiovascular imaging?
Fatehi. M (Iran)
- 09:00-09:15 Artificial intelligence role in future healthcare
Abolfathi. N (Iran)
- 09:15-09:30 Role of precision medicine in peripheral vascular diseases,
Shishehbor. M (USA)
- 09:30-09:45 The role of AI in Cardiac Anesthesia and Perioperative Medicine
Dabbagh. A (Iran)
- 09:45-10:00 The role of precision medicine in aortic diseases
Mestres. C (Switzerland)

Chairpersons:

Jalali. AH, Noor Alishahi. B, ElahiAmin. A, Pabarja. M

Moderator: *Moradi. AR*

- 10:45-10:50 Recital of Verses of the Holy Quran
National Anthem of the Islamic Republic of Iran
- 10:50-10:55 Welcome Speech by President of the ISCS
Noohi. F (Iran)
- 10:55-11:00 Welcome Speech by
Soltani. B (From Iran ssect)
- 11:00-11:05 Welcome Speech by
Borujerdi Alavi. A (From Iran sect)
- 11:05-11:15 A report of scientific program of congress
Sheikhi. B (Iran) (Scientific Secretary)
- 11:15-11:35 Perfusion and perfusionist
Jorjani. M (Iran)
- 11:35-11:50 Delnido and St Thomas cardioplegia effect on clinical outcomes of adult patients undergoing heart valve surgery
Rahim Nahavandi F. 1, Alizadeh Ghavidel A. 2, Fatahi M. 3
1 Hamedan Heart Center, Perfusion, Hamedan, Iran
2 Rajae Heart Center, Cardiac Surgery, Tehran, Iran
3 Rajae Heart Center, Perfusion, Tehran, Iran
- 11:50 – 12:05 The effect of 5% albumin in prime solution on body fluid balance in congenital heart disease surgery in infants and newborns at Shahid Rajae Cardiovascular Research and Treatment Center
Salehzade A. 1, Gholampour M. 2
1 Shahid Rajae Heart Center, Perfusion, Tehran, Iran
2 Shahid Rajae Heart Center, Congenital Heart Surgery, Tehran, Iran
- 12:05 –12:15 Q & A

Wednesday, February 26th, 2020 (10:00-10:30)

Greetings from authorities

Ahmadinia Hall

10:00-10:30 ***Welcome from the President of the Iranian Heart
Association & Chairman of the Congress
Noohi. F (Iran)***

***Welcome from the president of the Iranian Society of
Cardiac Surgeons & co-chairman of the Congress
Yousefnia. MA (Iran)***

Wednesday, February 26th 2020 (13:30-15:00)

Perfusion

Blood management

Hall S

Chairpersons:

Kargar. F, Khaje Noori. R, Gerami. H, Tayyari. S

Moderator: Nejatollahi. M

- 13:30-13:50 The effect of retrograde autologous priming and conventional prime on haemo dilution and transfusion requirements and Plasma Endothelin-1 level in Surgical Correction of Congenital Cardiac Disease
Ghodrati M. 1, Shahriyari F. 2
1 Qom University Of Medical Sciences, Anesthesia And Intensive Care, Qom, Iran
2 Shiraz University Of Medical Sciences, Anesthesia And Intensive Care, Shiraz, Iran
- 13:50-14:10 Patient blood management is of course also an option: the surgical view
Vogt. PR (Switzerland)
- 14:10-14:30 Comparison of the effects of hydroxyethyl starch 130 04 and ringer lactate on coagulation parameters renal and hepatic function and cerebral oximetry in adult patients undergoing heart valve surgery
Sheikhi B. 1
1 Rajae Heart Center, Perfusion, Tehran, Iran
- 14:30-14:50 Use of SvO₂ venous oxygen saturation factor instead of hemoglobin level to decide on blood transfusion to patients during
Hemati M. 1, Salmani S. 1, Zareh A. 1
1 Valiasr Subspecialty Hospital Of Iriran Police Force, Heart Surgery, Tehran, Iran
- 14:50-15:00 Q & A

Chairpersons:

Jalili Shahandasht. F, Dabbagh. A, Hemmati. R, Hoseini Yazdi. M

Moderator: *Saleh Zade. AH*

- 15:15-15:35 Correlation of rewarming time with arterial blood gas parameters in patient undergoing Coronary Artery Bypass Graft surgery
Rafiee S. 1
1 Rajaee Heart Center, Perfusion, Tehran, Iran
- 15:35-15:55 Myocardial protection: something more than choice of cardioplegia
Vogt. PR (Switzerland)
- 15:55-16:15 Evaluating the effect of Remote Ischemic Preconditioning on myocardial protection and inflammatory response markers in patients undergoing coronary artery bypass graft surgery
Gorjipour F. 1, Totonchi Z. 2, Mortazian M. 3, Tirgarfakheri K. 4, Motamednejad A. 4, Tolouei Tabar Y. 4
1 Iranian Scientific Society Of Extracorporeal Technology Rajaie Cardiovascular Medical And Research Center Iran University Of Medical Sciences, Iranian Scientific Society Of Extracorporeal Technology, Tehran, Iran
2 Iranian Scientific Society Of Extracorporeal Technology Rajaie Cardiovascular Medical And Research Center Iran University Of Medical Sciences, Rajaie Cardiovascular Medical And Research Center Iran University Of Medical Sciences, Tehran, Iran
3 2 Aja University Of Medical Sciences Tehran Iran Aja University Of Medical Sciences Tehran Iran, Cardiac Surgery Department, Tehran, Iran
4 Rajaie Cardiovascular Medical And Research Center Iran University Of Medical Sciences, Rajaie Cardiovascular Medical And Research Center Iran University Of Medical Sciences, Tehran, Iran
- 16:15-16:35 The relationship between type of cardioplegia Del nido and Custodiol with peri-operation clinical outcomes in patients with Tetralogy of Fallot who undergoing cardiopulmonary bypass

*Heidary Nia S. 1, Gorjipour F. 1, Gholampour Dehaki M. 1, Shaeban S.
1, Mahdavi S. 1
1 1 Rajaie Cardiovascular Medical And Research Center, Iran University Of
Medical Sciences, Tehran, Iran*

16:35-16:45 Q & A

Wednesday, February 26th 2020 (17:00-18:30)

Perfusion
Ethics and law

Hall S

Chairpersons:

Hoseini. SR, Soltani. B, Shafiee. H, Brujerdi Alavi. A

Moderator: *Abedzadeh. M*

- 17:00-17:200 Professional ethics and law , things we should know
Ghanbari A. I
I Rajaie Cardiovascular Medical And Research Center, Cardiac Surgery Perfusion Department, Tehran, Iran
- 17:20-17:40 Evaluation the difference between people's exposure to job positions, based on their knowledge and culture
Ghodrati M (Iran)
- 17:40-18:30 Expressing opinions, experiences and group discussion

Thursday, February 27th 2020(8:30-10:00)

Perfusion

Hall S

Advanced technics

Work Shops

(ECLS Team)

Moderator: Shafiee. H

08:30-9:45

HIPEC

Moradi. AR (Iran)

09:45-10:30

ECMO

Moradi. A (Iran)

Chairpersons:

Hekmat. M, Rezvan. N, Heidari. M, Imani. O

Moderator: Niknam. S

- 10:30-10:50 Effect of pre bypass checklist on error by center martyr Rajai Perfusionists
Hemati M. 1,Salmani S. 1
1 Valiasr Subspecialty Hospital Of Irian Police Force, Heart Surgery, Tehran, Iran
- 10:50-11:10 Comparison the third generation integrated AF oxys with separate AF oxys in terms of performance and removal of (GME) on ECC
Bagheri. M (Iran)
- 11:10-11:30 Effects of N-acetylcysteine on improvement of cardiopulmonary and renal function after cardiopulmonary bypass in Coronary artery bypass graft patients
Yadegary M. 1, Karami A. 2,Jamshidi M. 3,Bayat R. 1,Rezvan M. 1
1 Zanjan University Of Medical Sciencesmousavi Hospital, Department Of Nursing, Zanjan, Iran
2 Zanjan University Of Medical Sciencesmousavi Hospital, Department Of Nursing, Zanjan, Iran
3 Zanjan University Of Medical Sciencesmousavi Hospital, Department Of Cardiac Anesthesiology, Zanjan, Iran
- 11:30-11:50 Relationship between the time of opening the aortic cross clamp to end of cardio pulmonary bypass with surgical results of coronary artery bypass grafting surgery
Khalife N. 1,Shahzamani M. 1
1 Medical University, Isfahan University Of Medical Sciencs, Isfahan, Iran
- 11:50-12:00 Q & A

Thursday, February 27th 2020(13:30-15:00)

Joint Session (Perfusion -Cardiac Surgery-Anesthesiology-Heart failure)

Hall S

Heart failure management

Chairpersons:

Sadeghi. S, Baghaie. R. M, Azarfarin R, Amin. A, Mahdavi. SM, Kaveh. H

- 13:00 – 13:20 New approach of multidisciplinary cooperation and advanced team working
Ghanbari. A (Iran)
- 13:30-13:50 Cardiology indications of ECMO
Naderi. N (Iran)
- 13:50-14:10 ECMO in Acute Coronary Syndrome
Jahangirifard. AR (Iran)
- 14:10-14:30 ICU management of ECMO
Daliri. M (Iran)
- 14:30-15:00 Q & A

Multidisciplinary topics in cardiac surgery and perfusion

Chairpersons:

Foroozan Nia. K, Totouchi. Z, Ghorbani. MR, Ebrahimian. T

Moderator: Rafīan. E

- 15:15-15:35 **Complex aortic surgery**
Vogt P. 1
1 University Hospital Zurich, Department Of Cardiac Surgery, Zurich, Swaziland
- 15:35-15:55 **iVAC2L – pVAD (Percutaneous Ventricular Assist Device)**
Ahmadpour. T (Germany)
- 15:55-16:15 **Comparison of patient’s kidney function based on KDIGO criteria in isolated coronary artery bypass graft surgery in On-pump and Off-pump methods in patients with low cardiac output syndrome after surgery**
Fathi M. 1, Ghanbari A. 2, Yaghubi M. 3
1 Mashhad University Of Medical Sciences, Department Of Anesthesiology, Mashhad, Iran
2 Rajaie Cardiovascular Medical And Research Center Iran University Of Medical Sciences, Department Of Extracorporeal Circulation Ecc, Tehran, Iran
3 Razavi Hospital Imam Reza International University, Department Of Extracorporeal Circulation Ecc, Mashhad, Iran
- 16:15-16:35 **Lipid peroxidation and antioxidant capacity in adults undergoing cardiopulmonary bypass graft surgery correlations with peri- and post-operative clinical outcomes**
Gorjipour F. 1, Ghasemi Y. 2, Ghasemy K. 1, Monjazebi F. 3, Mortazian M. 4, Sheikhi B. 1, Tolouei Tabar Y. 2, Taiyari S. 5, Salehi P. 5, Sayadeian A. 5

1 Iranian Scientific Society Of Extracorporeal Technology Rajaie Cardiovascular Medical And Research Center Iran University Of Medical Sciences, Perfusion Department, Tehran, Iran

2 Rajaie Cardiovascular Medical And Research Center Iran University Of Medical Sciences, Cardiac Surgery Department, Tehran, Iran

3 Shahid Beheshti University Of Medical Sciences Tehran Iran, Cardiac Surgery Department, Tehran, Iran

4 Aja University Of Medical Sciences Tehran Iran, Cardiac Surgery Department, Tehran, Iran

5 Rajaie Cardiovascular Medical And Research Center Iran University Of Medical Sciences, Perfusion Department, Tehran, Iran

16:35-16:45 Q & A

Thursday, February 27th 2020(17:00-18:30)

Perfusion

Hall P

17:00-18:30 ***Annual General Meeting of IRANSECT & Presenting IRAN
SSECT***

Thursday, February 27th 2020 (08:30-10:00)

Perfusion

Hall F

Moderator:

Shafiei. H

08:30-10:00 Perfusionist and accidents
Bagheri. M (Iran)

Friday, February 28th 2020 (8:30-10:00)

Current status of cardiovascular medicine in Iran

Ahmadinia Hall

Chairpersons:

Fazel. I, Janbabaie. GH, Malekzadeh. R, Nobakht. A, Peighambari. MM, Pezeshkian. M, Sarrafzadegan. N

Each lecture will be followed by 5 minutes panel discussion

- 08:30-08:35 8th Iranian Joint Cardiovascular Congress at glance
Sadeghipour. P (Iran)
- 08:35-08:55 Current status of Cardiovascular Medicine In IRAN
Cardio Vascular Facilities
Noohi. F (Iran)
- 09:00- 09:05 Primary PCI in IRAN (247 Project)
Abdi. S (Iran)
- 09:10-09:15 Hypertension Campaign
Raeesi. AR (Iran)
- 09:20-09:25 Heart Transplantation in Iran
Amin. A (Iran)
- 09:30-09:50 Recommendations by Ministry of Health
Namaki. S (Iran)
- 09:50-10:00 Q & A

Chairpersons:

Jadbabaie. AN, Kianfar. AA, Forootan. MR, Banifateme. SR

Moderator: Rafiee. S,

- 10:30-10:50 Comparison of the use of hypothermia and normothermia on cognitive function after coronary artery bypass surgery in Shahid Rajaei Cardiovascular Research Center
Moradi A. 1, Ziyaiifard M. 2, Fattahi M. 1, Salehzade A. 1, Miraki S. 1, Heydarzade H. 3
1 Shahid Rajaei Heart Center, Perfusion, Tehran, Iran
2 Shahid Rajaei Heart Center, Cardiac Anesthesiology, Tehran, Iran
3 Ilam University And Medical Sciences, Nursing, Ilam, Iran
- 10:50-11:10 CytoSorb adsorption
Ahmadpour. T(Germany)
- 11:10-11:30 The effect of perioperative dexmedetomidine on renal function in patients undergoing CABG surgery and cardiopulmonary bypass
Lotfi H. 1, Jannati M. 2, Shahbazi S. 1
1 Shiraz University Of Medical Sciences, Anesthesia And Intensive Care Department, Shiraz, Iran
2 Shiraz University Of Medical Sciences, Cardiovascular Surgery Department, Shiraz, Iran
- 11:30-11:50 The relationship between mean arterial pressure during CPB and changes in postoperative amylase serum level in adult patients who underwent cardiac operation
Azarfarin R. 1, Ghasemy K. 1, Ziaiefard M. 1, Totonchi Z. 1, Gorjipour F. 1, Heidary Nia S. 1
1 1 Rajaie Cardiovascular Medical And Research Center, Iran University Of Medical Sciences, Tehran, Iran
- 11:50-12:00 Q & A

Friday, February 28th 2020 (12:00-12:20)

Ahmadinia Hall

12:00-12:20

Closing Remarks