

Results of the European Society of Cardiology Congress, 2017

Another annual congress of the European Society of Cardiology (ESC) took place in Barcelona, Spain, on August 26–30, 2017. The ESC Congress is one of three most important and visited international cardiologic scientific meetings. More than 30000 participants from 140 countries and 5 continents took part in the Congress.

Scientific program of the ESC Congress comprised wide variety of themes and included more than 500 symposiums and sessions that involved both well-known international experts and clinical specialists and young researchers from different countries. The Congress has covered 163 topics of cardiology and related conditions that have been divided into 9 main directions (fundamental science, arterial hypertension, heart valve disease, arrhythmias/implantable pacemakers, coronary heart disease, chronic heart failure, prevention/rehabilitation, vascular surgery, cardiovascularization) and related events were held in thematic “Villages”.

The most visited Hot Line sessions of the ESC Congress traditionally took place in the main congress hall (Barcelona hall). This year there were 4 Hot Line sessions of Late-Breaking Clinical trials and 2 Hot Line sessions: Late Breaking Registry Results that presented the results of new major studies in different directions of cardiology. 10 multicenter projects were discussed in the format of “Meeting with Trialists” (principal investigators of major studies).

For the first time scientific program included two new formats: “Expert advice” and “Great debates”.

The “Expert advice” section consisted of educational sessions in important clinical topics and lectures of worldwide-known experts:

- Endocarditis — The role of imaging
- Cardiomyopathy, sudden cardiac death
- Cardiogenic shock update
- Problems with statin treatment
- Managing complications in acute cardiac care
- Imaging for TAVI
- Unusual coronary pathology: what to do
- Heart failure patients have more than one problem: how to manage comorbidities
- Image Interpretation with the Masters — Cardiac CT
 - Optimising cardiac resynchronization therapy
 - Assessing left ventricular function in clinical practice
 - Finding the right measure: how to tailor rehabilitation to cardiac interventions
 - Making an impact: optimal secondary prevention following acute coronary syndromes
 - Hypertension in 90 minutes
 - Risk and management of pregnancy in women with cardiac diseases
 - Image Interpretation with the Masters – Cardiac MRI
 - How to interpret laboratory tests in acute heart failure
 - Clotted veins: pill or drill?
 - Septal reduction therapies in hypertrophic obstructive cardiomyopathy

The “Great debates” section included the following sessions for wide discussion:

- Left atrial appendage occlusion
- Are vasodilators useful in the treatment of acute heart failure?
 - Do we need PCSK9 inhibitors in post-MI patients?
 - Viability in clinical decision making
 - Blood pressure targets: is 120 too low?
 - Inflammation and cardiovascular disease
 - Left main is now a domain of interventional cardiology
 - Secondary mitral regurgitation requires invasive therapy to improve outcome
 - Aspirin for life

This year the scientific program consisted of numerous joint symposiums. It included 38 joint symposiums with international and national societies of Northern and Southern Africa, Asia and European societies of other profiles. Worldwide known cardiology journals (Circulation, The Lancet, The Journal of the American Medical Association, European Heart Journal) organized 8 symposiums.

Joint symposiums with national cardiology societies-members of ESC were organized as part of the scientific program in 2017. These symposiums were dedicated to distinct scientific topic. Russian symposium organized by the Russian Society of Cardiology presented the theme of ““Atrial fibrillation ablation – The “Big picture””. The mentioned below specialists took part in this symposium:

- E.V. Shlyakhto (Saint Petersburg), academician of the Russian Academy of Sciences
 - S.T. Matskeplishvili (Moscow), corresponding member of the Russian Academy of Sciences
 - D.V. Duplyakova (Samara), professor
 - E.I. Baranova (Saint Petersburg), professor
 - E.N. Mikhailov (Saint Petersburg), M.D., Ph.D., doctor of sciences
 - A.V. Ardashev (Moscow), professor
 - A.B. Romanov (Novosibirsk), professor.

The members of the Russian Academy of Sciences E.V.Shlyakhto and S.T. Matskeplishvili were co-chairmen of this symposium.

Scientific program of the Congress included 26 satellite symposiums that involved international manufacturers of medicines and medical equipment.

Poster session was the important part of the scientific program. Poster presentations were divided into 9 directions and two formats: traditional posters and electronic posters. It is worth to mention that Russian scientists participated actively in this session and presented more than 60 works. Young Russian cardiologist Angela Solovieva (People’s Friendship University of Russia) won the certificate for the best poster in the “Heart failure” section.

The Conference book included more than 10 000 abstracts, a part of them was selected for oral presentations.

According to the tradition, the Congress presented updated clinical guidelines:

- Management of acute myocardial infarction in patients presenting with ST-segment elevation (ESC)
- Diagnosis and treatment of peripheral arterial disease (ESC and European Society for Vascular Surgery)
- Management of valvular heart disease (ESC and European Association of cardiothoracic surgery).
- Focused update on Dual Antiplatelet Therapy (DAPT) in coronary heart disease (ESC and European Association of cardiothoracic surgery)

New highlights of diagnostics and treatment of cardiovascular diseases were presented at the exhibition that involved manufacturers of medicines and medical equipment.

The ESC Congress underwent the accreditation of the European Accreditation Council for Continuing Medical Education (EACCME) and received 26 credits.

More detailed information on the ESC Congress can be found on its official website www.escardio.org

The review of new European clinical guidelines and the results of major international studies that were present at the Congress will be published on the official website of the Cardioprogress Foundation www.cardioprogress.ru

The next ESC Congress will be held in Munich (Germany), on August 25-29, 2018.