Please return this formby email to: **industryprogramme@escardio.org**

**DEADLINE 31 MARCH 2019**

When sending us the Practical Tutorials Scientific forms, you confirm that you have received the prior approval of faculties for providing us the above data.

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| **PRACTICAL TUTORIALS SCIENTIFIC PROGRAMME** |

**ORGANISED BY:**

**Name of the company(ies) to be acknowledged as the sponsor of the programme in all ESC Congress 2019 publications.**

**SESSIONS NUMBERS, PRESENTATIONS, TOPIC, DATE, TIME and FACULTIES:**

**SESSIONS NUMBERS**

These numbers will be provided once your programme has been computerized.

These numbers must be included in all communications by the Practical Tutorial session’s organisers and their appointed agencies in order to have a concise working relationship.

In order to eliminate confusion and miscommunication, mails that do not contain this session number will not be immediately treated.

**PRESENTATIONS:**

- Please add full name of acronyms and abbreviations.

- NO PRODUCT NAMES or BRAND NAMES are allowed.

**TOPIC:**

- If you do not supply an index topic, your presentations will not appear in the indexes of the Final Programme.

**DATE AND TIME:**

- Practical Tutorials sessions must be organized from **Saturday 31st August to Tuesday 3rd September 2019**.

- Practical Tutorials sessions must be organized **between 08:30 and 18:00.**

- Please mention the start time and the end time.

**FACULTIES:**

- Must be available until the end of the session.

- Cannot chair or speak another session at the same time.

- Should have expert knowledge about the topic.

- Should be fluent in English.

- Please mention the **First names and Last names** of the faculties and be sure to give their full titles, first and last names, phone, fax numbers and email address.

**CHANGE IN THE SCIENTIFIC PROGRAMME:**

Once the title, programme and detailed content are approved, changes must not be made without the specific approval of the Congress Programme Committee.

Any changes must be approved by the Congress Programme Committee.

Late applications and/or content of programmes received after 31 May 2019 cannot be printed in the Final Programme.

Details received between 31 May 2019 and 26 August 2019 will appear in the Mobile Application.

Failure to adhere to announced/approved programme content will be considered a violation of the ESC Guidelines for Industry @ Congresses and complementary ESC Guidelines for Industry @ ESC Congress 2019.

**LEARNING OBJECTIVES (mandatory):**

**Please summarise the Practical Tutorials learning objectives (5 lines max) - For publication on the Final Programme, Scientific Programme & Planner and Mobile App only.**

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**SATURDAY 31st AUGUST 2019 / 08:30 – 18:00:**

**PRESENTATION / FACULTY**

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**SUNDAY 1st SEPTEMBER 2019 / 08:30 – 18:00:**

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**MONDAY 2nd September 2019 / 08:30 – 18:00:**

**PRESENTATION / FACULTY**

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**TUESDAY 3rd SEPTEMBER 2019 / 08:30 – 18:00:**

**PRESENTATION / FACULTY**

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**For more details, refer to the ESC Guidelines for Industry @ Congresses and complementary ESC Guidelines for Industry @ ESC Congress 2019.**

**DISCLOSURE OF CONFLICT OF INTEREST:**Declaration of interest will allow the audience to take potential conflicts of interest into account when assessing the objectivity of the presentation.  
• The Congress Programme Committee requests faculty to declare all possible interest.  
• The session organiser confirms that all Chairpersons/Speakers participating in their programme have fully agreed to provide the session organiser with all potential conflicts of interest that may arise from their presentations.  
• The existence of potential conflicts of interest does not necessarily indicate a bias. However it is our ethical obligation to inform organisers and participants so that they are made aware of any relationship that might cause unintentional  
bias. The disclosure of interest should detail existing relationship with the sponsor of the Satellite Symposium or related organisations or companies.  
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• Chairpersons/Speakers are requested to declare interest regarding their current presentation/topics on their first slide and provide the audience with necessary time to read this slide.

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In accordance with the law N°78-17 of January 6, 1978, amended in 2004, relating to the protection of individuals with regard to the processing of personal data, you have a right to access and rectify information concerning you, which you can exercise by contacting (together with proof of identity):  
European Society of Cardiology  
Privacy - Customer Services Dept  
2035 Route des Colles  
BP 179  
06903 Sophia Antipolis Cedex  
FRANCE  
You can also, for legitimate reasons, oppose the processing of data about you.*

**TOPICS LIST OF ESC CONGRESS 2019**

Topic List

**A BASICS**

**1 History of Cardiology**

**2 Clinical Skills**

2.1 History Taking

2.2 Physical Examination

2.3 Electrocardiography

2.99 Clinical Skills - Other

**B IMAGING**

**3 Imaging**

3.1 Echocardiography

3.2 Computed Tomography

3.3 Cardiac Magnetic Resonance

3.4 Nuclear Imaging

3.5 Hybrid and Fusion Imaging

3.6 Cross-Modality and Multi-Modality Imaging Topics

3.99 Imaging - Other

**C ARRHYTHMIAS AND DEVICE THERAPY**

**4 Arrhythmias, General**

4.1 Arrhythmias, General – Pathophysiology and Mechanisms

4.2 Arrhythmias, General – Epidemiology, Prognosis, Outcome

4.3 Arrhythmias, General – Diagnostic Methods

4.4 Arrhythmias, General – Treatment

4.5 Arrhythmias, General – Prevention

4.6 Arrhythmias, General – Clinical

4.99 Arrhythmias, General – Other

**5 Atrial Fibrillation**

5.1 Atrial Fibrillation - Pathophysiology and Mechanisms

5.2 Atrial Fibrillation - Epidemiology, Prognosis, Outcome

5.3 Atrial Fibrillation - Diagnostic Methods

5.4 Atrial Fibrillation - Treatment

5.5 Atrial Fibrillation - Stroke Prevention

5.6 Atrial Fibrillation - Stroke Treatment

5.7 Atrial Fibrillation - Prevention

5.8 Atrial Fibrillation - Clinical

5.99 Atrial Fibrillation – Other

**6 Supraventricular Tachycardia (non-AF)**

6.1 Supraventricular Tachycardia (non-AF) - Pathophysiology and Mechanisms

6.2 Supraventricular Tachycardia (non-AF) - Epidemiology, Prognosis, Outcome

6.3 Supraventricular Tachycardia (non-AF) - Diagnostic Methods

6.4 Supraventricular Tachycardia (non-AF) - Treatment

6.5 Supraventricular Tachycardia (non-AF) - Prevention

6.6 Supraventricular Tachycardia (non-AF) - Clinical

6.99 Supraventricular Tachycardia (non-AF) - Other

**7 Syncope and Bradycardia**

7.1 Syncope and Bradycardia - Pathophysiology and Mechanisms

7.2 Syncope and Bradycardia - Epidemiology, Prognosis, Outcome

7.3 Syncope and Bradycardia - Diagnostic Methods

7.4 Syncope and Bradycardia - Treatment

7.5 Syncope and Bradycardia - Prevention

7.6 Syncope and Bradycardia - Clinical

7.99 Syncope and Bradycardia - Other

**8 Ventricular Arrhythmias and Sudden Cardiac Death (SCD)**

8.1 Ventricular Arrhythmias and SCD - Pathophysiology and Mechanisms

8.2 Ventricular Arrhythmias and SCD - Epidemiology, Prognosis, Outcome

8.3 Ventricular Arrhythmias and SCD - Diagnostic Methods

8.4 Ventricular Arrhythmias and SCD - Treatment

8.5 Ventricular Arrhythmias and SCD - Prevention

8.6 Ventricular Arrhythmias and SCD - Clinical

8.99 Ventricular Arrhythmias and SCD - Other

**9 Device Therapy**

9.1 Antibradycardia Pacing

9.2 Implantable Cardioverter / Defibrillator

9.3 Cardiac Resynchronization Therapy

9.4 Home and Remote Patient Monitoring

9.5 Device Complications and Lead Extraction

9.99 Device Therapy - Other

**D HEART FAILURE**

**10 Chronic Heart Failure**

10.1 Chronic Heart Failure – Pathophysiology and Mechanisms

10.2 Chronic Heart Failure – Epidemiology, Prognosis, Outcome

10.3 Chronic Heart Failure – Diagnostic Methods

10.4 Chronic Heart Failure – Treatment

10.5 Chronic Heart Failure – Prevention

10.6 Chronic Heart Failure - Clinical

10.99 Chronic Heart Failure - Other

**11 Acute Heart Failure**

11.1 Acute Heart Failure – Pathophysiology and Mechanisms

11.2 Acute Heart Failure – Epidemiology, Prognosis, Outcome

11.3 Acute Heart Failure – Diagnostic Methods

11.4 Acute Heart Failure– Treatment

11.5 Acute Heart Failure– Prevention

11.6 Acute Heart Failure - Clinical

11.99 Acute Heart Failure - Other

**E CORONARY ARTERY DISEASE, ACUTE CORONARY SYNDROMES, ACUTE CARDIAC CARE**

**12 Coronary Artery Disease (Chronic)**

12.1 Coronary Artery Disease – Pathophysiology and Mechanisms

12.2 Coronary Artery Disease – Epidemiology, Prognosis, Outcome

12.3 Coronary Artery Disease – Diagnostic Methods

12.4 Coronary Artery Disease – Treatment

12.5 Coronary Artery Disease – Prevention

12.6 Coronary Artery Disease - Clinical European Society of Cardiology • Topic List 2019

12.7 Non-Atherosclerotic Coronary Abnormalities

12.99 Coronary Artery Disease - Other

**13 Acute Coronary Syndromes**

13.1 Acute Coronary Syndromes – Pathophysiology and Mechanisms

13.2 Acute Coronary Syndromes – Epidemiology, Prognosis, Outcome

13.3 Acute Coronary Syndromes – Diagnostic Methods

13.4 Acute Coronary Syndromes – Treatment

13.5 Acute Coronary Syndromes – Prevention

13.6 Acute Coronary Syndromes - Clinical

13.99 Acute Coronary Syndromes - Other

**14 Acute Cardiac Care**

14.1 Acute Cardiac Care – Resuscitation

14.2 Acute Cardiac Care – Prehospital and Emergency Department Care

14.3 Acute Cardiac Care – CCU, Intensive, and Critical Cardiovascular Care

14.4 Acute Cardiac Care – Cardiogenic Shock

14.5 Acute Cardiac Care – Cardiac Arrest

14.99 Acute Cardiac Care – Other

**F VALVULAR, MYOCARDIAL, PERICARDIAL, PULMONARY, CONGENITAL HEART DISEASE**

**15 Valvular Heart Disease**

15.1 Valvular Heart Disease – Pathophysiology and Mechanisms

15.2 Valvular Heart Disease – Epidemiology, Prognosis, Outcome

15.3 Valvular Heart Disease – Diagnostic Methods

15.4 Valvular Heart Disease – Treatment

15.5 Valvular Heart Disease – Prevention

15.6 Valvular Heart Disease – Clinical

15.99 Valvular Heart Disease - Other

**16 Infective Endocarditis**

16.1 Infective Endocarditis – Pathophysiology and Mechanisms

16.2 Infective Endocarditis – Epidemiology, Prognosis, Outcome

16.3 Infective Endocarditis – Diagnostic Methods

16.4 Infective Endocarditis – Treatment

16.5 Infective Endocarditis – Prevention

16.6 Infective Endocarditis – Clinical

16.7 Cardiac Implantable Device-related Endocarditis

16.99 Infective Endocarditis – Other

**17 Myocardial Disease**

17.1 Myocardial Disease – Pathophysiology and Mechanisms

17.2 Myocardial Disease – Epidemiology, Prognosis, Outcome

17.3 Myocardial Disease – Diagnostic Methods

17.4 Myocardial Disease – Treatment

17.5 Myocardial Disease – Prevention

17.6 Myocardial Disease – Clinical

17.99 Myocardial Disease – Other

**18 Pericardial Disease**

18.1 Pericardial Disease – Pathophysiology and Mechanisms

18.2 Pericardial Disease – Epidemiology, Prognosis, Outcome

18.3 Pericardial Disease – Diagnostic Methods

18.4 Pericardial Disease – Treatment

18.5 Pericardial Disease – Prevention

18.6 Pericardial Disease – Clinical

18.99 Pericardial Disease - Other

**19 Tumors of the Heart**

19.1 Tumors of the Heart – Pathophysiology and Mechanisms

19.2 Tumors of the Heart – Epidemiology, Prognosis, Outcome

19.3 Tumors of the Heart – Diagnostic Methods

19.4 Tumors of the Heart – Treatment

19.5 Tumors of the Heart – Prevention European Society of Cardiology • Topic List 2019

19.6 Tumors of the Heart – Clinical

19.99 Tumors of the Heart - Other

**20 Congenital Heart Disease and Pediatric Cardiology**

20.1 Congenital Heart Disease – Pathophysiology and Mechanisms

20.2 Congenital Heart Disease – Epidemiology, Prognosis, Outcome

20.3 Congenital Heart Disease – Diagnostic Methods

20.4 Congenital Heart Disease – Treatment

20.5 Congenital Heart Disease – Prevention

20.6 Congenital Heart Disease – Clinical

20.7 Pediatric Cardiology

20.99 Congenital Heart Disease and Pediatric Cardiology - Other

**21 Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure**

21.1 Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure – Pathophysiology and Mechanisms

21.2 Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure – Epidemiology, Prognosis, Outcome

21.3 Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure – Diagnostic Methods

21.4 Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure - Treatment

21.5 Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure - Prevention

21.6 Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure – Clinical

21.99 Pulmonary Circulation, Pulmonary Embolism, Right Heart Failure - Other

**G AORTIC DISEASE, PERIPHERAL VASCULAR DISEASE, STROKE**

**22 Aortic Disease**

22.1 Aortic Disease – Pathophysiology and Mechanisms

22.2 Aortic Disease – Epidemiology, Prognosis, Outcome

22.3 Aortic Disease – Diagnostic Methods

22.4 Aortic Disease - Treatment

22.5 Aortic Disease – Prevention

22.6 Aortic Disease – Clinical

22.99 Aortic Disease - Other

**23 Peripheral Vascular and Cerebrovascular Disease**

23.1 Peripheral Vascular and Cerebrovascular Disease – Pathophysiology and Mechanisms

23.2 Peripheral Vascular and Cerebrovascular Disease – Epidemiology, Prognosis, Outcome

23.3 Peripheral Vascular and Cerebrovascular Disease – Diagnostic Methods

23.4 Peripheral Vascular and Cerebrovascular Disease - Treatment

23.5 Peripheral Vascular and Cerebrovascular Disease – Prevention

23.6 Peripheral Vascular and Cerebrovascular Disease – Clinical

23.99 Peripheral Vascular and Cerebrovascular Disease - Other

**24 Stroke**

24.1 Stroke – Pathophysiology and Mechanisms

24.2 Stroke – Epidemiology, Prognosis, Outcome

24.3 Stroke - Diagnostic Methods

24.4 Stroke - Treatment

24.5 Stroke - Prevention

24.6 Stroke – Clinical

24.7 Heart and Brain Interaction

24.99 Stroke - Other

**H INTERVENTIONAL CARDIOLOGY AND CARDIOVASCULAR SURGERY**

**25 Interventional Cardiology**

25.1 Invasive Imaging and Functional Assessment

25.2 Coronary Intervention

25.3 Non-coronary Cardiac Intervention

25.99 Interventional Cardiology - Other

26 Cardiovascular Surgery

26.1 Cardiovascular Surgery – Coronary Arteries

26.2 Cardiovascular Surgery – Valves

26.3 Cardiovascular Surgery – Congenital Heart Disease

26.4 Cardiovascular Surgery – Aorta

26.5 Cardiovascular Surgery – Carotid and Peripheral Arteries

26.6 Cardiovascular Surgery – Ventricular Assist Devices and Artificial Heart

26.7 Cardiovascular Surgery - Circulatory Support

26.8 Cardiovascular Surgery - Transplantation

26.9 Cardiovascular Surgery – Arrhythmias

26.10 Cardiovascular Surgery – Minimally Invasive Surgery

26.99 Cardiovascular Surgery - Other

**I HYPERTENSION**

**27 Hypertension**

27.1 Hypertension – Pathophysiology and Mechanisms

27.2 Hypertension – Epidemiology, Prognosis, Outcome

27.3 Hypertension – Diagnostic Methods

27.4 Hypertension – Treatment

27.5 Hypertension – Prevention

27.6 Hypertension – Clinical

27.99 Hypertension - Other

**J PREVENTIVE CARDIOLOGY**

**28 Risk Factors and Prevention**

28.1 Risk Factors and Prevention – Epidemiology

28.2 Risk Factors and Prevention – Cardiovascular Risk Assessment

28.3 Secondary Prevention

28.4 Lipids

28.5 Tobacco

28.6 Obesity

28.7 Diabetes and the Heart

28.8 Environmental and Occupational Aspects of Heart Disease

28.9 Stress, Psycho-Social and Cultural Aspects of Heart Disease

28.10 Depression and Heart Disease

28.11 Nutrition, Malnutrition and Heart Disease

28.12 Physical Inactivity and Exercise

28.13 Sleep Disorders

28.99 Risk Factors and Prevention - Other

**29 Rehabilitation and Sports Cardiology**

29.1 Exercise Testing

29.2 Cardiovascular Rehabilitation

29.3 Sports Cardiology

29.99 Rehabilitation and Sports Cardiology - Other

**K CARDIOVASCULAR DISEASE IN SPECIAL POPULATIONS**

**30 Cardiovascular Disease in Special Populations**

30.1 Cardiovascular Disease in Primary Care

30.2 Cardiovascular Disease in Women

30.3 Cardiovascular Disease in Special Populations: Pediatric Cardiology

30.4 Non-cardiac Surgery/Pre-surgical Assessment

30.5 Cardiovascular Disease in the Elderly

30.6 Cardio-Oncology

30.7 Pregnancy and Cardiovascular Disease

30.8 HIV and Cardiovascular Disease

30.9 Renal Failure and Cardiovascular Disease

30.10 Neurologic Disorders and Heart Disease

30.11 Psychiatric Disorders and Heart Disease

30.12 Autoimmune/Chronic Inflammatory Disorders and Heart Disease

30.13 Substance Abuse and Cardiovascular Disease

30.99 Cardiovascular Disease in Special Populations - Other

**L CARDIOVASCULAR PHARMACOLOGY**

**31 Pharmacology and Pharmacotherapy**

31.1 Cardiovascular Pharmacotherapy

31.2 Pharmacogenetics

31.3 Biotherapies

31.4 Cardiotoxicity of Drugs

31.99 Pharmacology and Pharmacotherapy - Other

**M CARDIOVASCULAR NURSING**

**32 Cardiovascular Nursing**

32.1 Acute Nursing Care

32.2 Chronic Nursing Care

32.99 Cardiovascular Nursing - Other

**N E-CARDIOLOGY / DIGITAL HEALTH, PUBLIC HEALTH, HEALTH ECONOMICS, RESEARCH METHODOLOGY**

**33 e-Cardiology / Digital Health**

33.1 Image Processing and Imaging Standards

33.2 Cardiovascular Signal Processing

33.3 Computer Modeling and Simulation

33.4 Digital Health

33.99 e-Cardiology – Other

**34 Public Health and Health Economics**

34.1 Public Health

34.2 Health Policy

34.3 Health Economics

34.99 Public Health and Health Economics - Other

**35 Research Methodology**

35.1 Biostatistics

35.2 Research Methodology: Big Data Analysis

35.3 Cardiovascular Epidemiology

35.4 Trial Design

35.5 Research Ethics

35.99 Research Methodology - Other

**O BASIC SCIENCE**

**36 Basic Science**

36.1 Basic Science - Cardiovascular Development and Anatomy

36.2 Basic Science - Cardiac Biology and Physiology

36.3 Basic Science - Cardiac Diseases

36.4 Basic Science - Vascular Biology and Physiology

36.5 Basic Science - Vascular Diseases

36.99 Basic Science – Other

**P OTHER**

**80 Training and Education**

**90 European Society of Cardiology**

**99 Other**