

Cardiology Update

21
DAVOS

Event endorsed by



Davos, Switzerland, 24 – 26 October 2021
24th International Postgraduate Course on
Cardiovascular Disease

Senior Programme Directors

Thomas F. Lüscher, London
Bertram Pitt, Ann Arbor MI

Scientific Coordinator

Ruth Amstein, Zurich



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HEART HOUSE
LONDON
HEART HOUSE



Dear Colleagues

Cardiology Update belongs to the major meetings in the field of cardiology in Europe. Following a long tradition this will be the 24th Cardiology Update Course to be held every second year in Davos, Switzerland. After a careful restructuring process, the programme will appear in a new shape and as a compact edition of three days.

Cardiology Update is a joint educational programme from the Zurich Heart House/ University of Zurich, the European Society of Cardiology (ESC), the Brigham and Women's Hospital in Boston, the Mayo Clinic, and the University of Michigan School of Medicine. A distinguished international teaching faculty contributes to an outstanding programme on latest scientific and therapeutic developments as well as on new intervention and treatment strategies in cardiology.

This highly acclaimed, CME-accredited programme will give an up-to-date overview about current diagnosis and management of the most important cardiovascular conditions and the new ESC Practice Guidelines. The features of the course are state of the art lectures, interactive case presentations and clinical decision seminars, video life cases, meet the expert sessions as well as poster sessions. The spirit of the course is a stimulating working and learning environment combined with a variety of informal events and opportunities for direct interactions between faculty members, sponsors, and participants.

We would be delighted to welcome you at the 24th Cardiology Update Davos from 24 – 26 October 2021.



Thomas F. Lüscher, M.D.
MD, FRCP, FESC



Bertram Pitt, M.D.
MD, FACC



Ruth Amstein, Ph.D.
FESC

Committees and Partners

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Accreditation

Cardiology Update is submitted to the following medical societies for CME accreditation:

- European Accreditation Council for Continuing Medical Education of the UEMS, EACCME
- German Cardiac Society
- Swiss Society of Cardiology, SGK (21h 1A)
- Swiss Society of Internal General Medicine, SGAIM

Course Directors, members of the programme committee and teaching faculty contribute on an honorary basis supporting a high scientific standard of this programme.

Teaching Faculty

Charalambos Antoniades, Oxford
Mattia Arrigo, Zurich
Jan Berg, Aarau
Giovanni G. Camici, Zurich
Jens Cosedis Nielsen, Aarhus
Francesco Cosentino, Stockholm
John E. Deanfield, London
Sophie Degrauwe, Geneva
Victoria Delgado, Leiden
Paul A. Friedman, Rochester, MN
Michael A. Gatzoulis, London
Christoph Gräni, Bern
Bettina Heidecker, Berlin
Roger Hullin, Lausanne
Lars Køber, Copenhagen
Konstantinos Koskinas, Bern
Roger Lehmann, Zurich
Teresa Lopez Fernandez, Madrid
Micha T. Maeder, St. Gallen
Felix Mahfoud, Homburg/Saar
Francesco Maisano, Milan
Benjamin Meder, Heidelberg
Marco Metra, Brescia

Federico Moccetti, Luzern
Georg Nickenig, Bonn
Iacopo Olivotto, Florence
Francesco Paneni, Zurich
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Lorenz Räber, Bern
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Thomas Rosemann, Zurich
Stephan Rosenkranz, Cologne
Naveed Sattar, Glasgow
Nicolas Schärli, Basel
Sebastian Seidl, St. Gallen
Christian Sticherling, Basel
Isabella Sudano, Zurich
Holger Thiele, Leipzig
Stefan Toggweiler, Luzern
Alec Vahanian, Paris
Marco Valgimigli, Lugano
Frank L. J. Visseren, Utrecht
Adriaan A. Voors, Groningen
Mirjam Gauri Wild, Bern
Stephan Windecker, Bern

	24 Sun, 24 October	25 Mon, 25 October	26 Tue, 26 October
07:30 – 08:15		Breakfast Industry Sponsored Symposium	Breakfast Industry Sponsored Symposium
08:00 – 09:30	Atherosclerosis Lipid Management	08:15 – 09:30 Acute Coronary Syndromes Cardiogenic Shock	08:15 – 09:30 Aortic Valve Disease
09:30 – 10:00	COFFEE	COFFEE	COFFEE
10:00 – 11:30	Risk Factors and Prevention	Chronic Coronary Syndromes	PARALLEL SESSIONS Mitral and Tricuspid Valve Disease Covid-19 and the Heart
12:00 – 13:15	LUNCH Industry Sponsored Symposium	LUNCH Industry Sponsored Symposium (2 in parallel)	LUNCH Industry Sponsored Symposium
13:30 – 15:00	Diabetes and Hypertension	Atrial Fibrillation	Heart Failure I
15:00 – 15:30	COFFEE / POSTER SESSION	COFFEE / POSTER SESSION	15:00 – 15:15 COFFEE
15:30 – 16:30	PARALLEL SESSIONS Poster Session Meet the Expert Sessions (3 in parallel)	PARALLEL SESSIONS Poster Session Meet the Expert Sessions (3 in parallel)	15:15 – 16:00 Meet the Expert Sessions (2 in parallel)
16:30 – 17:30	PARALLEL SESSIONS Cardio-Oncology / ACHD Cardiac Imaging	PARALLEL SESSIONS New ESC Guidelines Cardiomyopathies	16:00 – 17:00 Heart Failure II
17:30 – 18:15	Paul Lichtlen Lecture		17:00 – 17:15 Wrap Up and Closing Remarks
18:15 – 19:15	Welcome Reception	18:00 – 19:15 Industry Sponsored Symposium	
19:15 – 20:15	Clinical Decision Seminar Difficult ECG Interpretations	Clinical Decision Seminar Echo Pearls Decision Making in Interventional Cardiology (2 in parallel)	

Registration

Registrations can be made exclusively online on our website:
www.cardiologyupdate.ch

Medworld AG

Andrea Studer, Sennweidstrasse 46, CH-6312 Steinhausen, Switzerland
registration@medworld.ch, Phone +41 (0) 41 748 23 00, Fax +41 (0) 41 748 23 11

Registration Fees:

Registration fee before 31 August 2021:	CHF 750.–
Registration fee after 31 August 2021:	CHF 900.–
On-site Registration:	CHF 900.–

ESC and SGK Members:

ESC & SGK Members Registration fee before 31 August 2021:	CHF 700.–
ESC & SGK Members Registration fee after 31 August 2021:	CHF 850.–

Participants <35 years:

Registration fee before 31 August 2021:	CHF 450.–
Registration fee after 31 August 2021:	CHF 550.–
On-site Registration:	CHF 600.–

Registration fee for fellows and nurses (identification requested): CHF 450.–

Single day tickets Sunday – Wednesday: CHF 300.–

Single day tickets Sunday – Wednesday < 35 years: CHF 200.–

Single day tickets Sunday – Wednesday for fellows and nurses: CHF 150.–

Registration will be confirmed upon receipt of payment.

Group Registration

For group registration a minimum of 10 participants is required. Please contact Mrs. Andrea Studer (registration@medworld.ch) to obtain further information. Congress documents and bags can be collected as early pick-up upon request.

Modification & Cancellation

All modifications or cancellations must be notified in writing (by mail, fax or e-mail) to Medworld AG. For each modification requested by the participant, CHF 50.– will be charged for administrative costs. In case of cancellation up to **24 September 2021**, deposits will be refunded less 35% for administrative costs. After this date, no refund will be possible.

General Information

Venue

Congress Center, Davos, Switzerland, www.davoscongress.ch

Hotel Reservation

Hotel rooms are available at a special convention rate.

Reservations can be made on our website www.cardiologyupdate.ch

or at Davos Congress cardio@davos.ch.

Abstracts

Abstracts for the Poster Session can be submitted exclusively on our website www.cardiologyupdate.ch. An Abstract Booklet will be published.

Deadline for submission: 15 September 2021, Midday CET.

Host

Zurich Heart House, Foundation for Cardiovascular Research

Ruth Amstein, Ph.D., E-mail: ruth.amstein@zhz.ch

Christine Lohmann, E-mail: christine.lohmann@zhz.ch

Hottingerstrasse 14, CH-8032 Zurich, Switzerland

Phone +41 (0)44 250 40 80, Fax +41 (0)44 250 40 90

www.cardiologyupdate.ch

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Cardiology Update Davos 2021
24-26 October 2021
Programme Sessions and Lectures

Sunday, October 24

07:30 – 08:00 Registration

08:00 – 08:15 Welcome Address by the Senior Programme directors and the President of the Swiss Society of Cardiology

Bertram Pitt, An Arbour, Thomas F. Lüscher London/Zurich and Felix C. Tanner

08:15 – 09:45 Session 1: Atherosclerosis and Lipid Management

Chair: Augusto Gallino, Bellinzona and J. Deanfield, London

- The changing landscape of atherosclerosis (Peter Libby, Boston)
- Novel antilipidaemic drugs: PCSK9 inhibitors and bempedoic acid (F. Mach, Geneva)
- Managing triglycerides and Lp(a) in the context of residual risk (Ulrich Laufs, Leipzig)
- Genetic tools to treat dyslipidaemia: Pharmacotherapy of the future (Ulf Landmesser, Berlin)

09:45 – 10:15 Coffee

10:15 – 11:45 Session 2: Risk Factors and Prevention

Chair: Christian Mueller, Basel and NN

- Lifetime risk of cardiovascular disease: the new target (John Deanfield, London)
- Impact of environment on CVD and mortality (Salim Yusuf, Hamilton)
- The new 2021 Prevention ESC Guidelines (Frank Visseren, Utrecht)
- How much exercise is enough? The 2020 ESC Guidelines recommendations (Sanjay Sharma, London)

12:00 – 13:15 Lunch / Satellite Symposium

13:30 – 15:00 Session 3: Diabetes and Hypertension

Chair: Jürg H. Beer, Baden and Georg Ehret, Geneva

- Debate: Is blood glucose the primary target in T2DM?
 - Naveed Sattar, Glasgow: yes!
 - Francesco Cosentino, Stockholm: No!
- Carbohydrates and cardiovascular disease (Salim Yusuf, Hamilton)
- Diabetic nephropathy, the FIGARO and FIDELIO Trials (Bertram Pitt, An Arbor)
- Hypertension management 2021: Targets, drugs and devices (Felix Mahfoud, Homburg/Saar)

15:00 – 15:30 Coffee / Poster Session

15:30 – 16:30 Parallel Sessions

1. Poster Session

2. Meet the Expert Session: How to implement prevention: Heart Age and beyond

Moderators: John Deanfield, London and Ulf Landmesser, Berlin

3. Meet the Expert Session: Personalizing Lipid-lowering

Moderators: Ulrich Laufs, Leipzig, François Mach, Geneva and Isabella Sudano, Zurich

4. Meet the Expert Session: Cardio-Oncology: Managing Cardiac Patients (Case based presentations)

How to assess cardiac function in cancer patients (Jereon J. Bax, Leiden)

Which chemotherapeutics do we have to consider? (Thomas Suter, Bern)

Cardiological monitoring of cancer patients (Teresa Lopez Fernandez, Madrid)

16:30 – 17:30 Parallel Sessions

1. Cardio-Oncology / ACHD

Chair: Bernard Gersh, Rochester and Marc A. Pfeffer, Boston

- Cardio-oncology – a new cardiovascular specialty? (Teresa Lopez Fernandez, Madrid)
- Checkpoint inhibitors and cardiotoxicity (Thomas Suter, Bern)
- Adult Congenital Heart Disease: What should the general cardiologist know? (Michael Gatzoulis, London)

2. Cardiac Imaging

Chair: Jeroen J. Bax, Leiden and Michel Zuber, Othmarsingen

- Is ejection fraction reflecting myocardial performance? (Victoria Delgado, Leiden)
- CT update: from structure to function (Christoph Gräni, Berne)
- Coronary inflammation in CT (Charalambos Antoniades, Oxford)

17:30 – 18:15 Paul Lichtlen Lecture

Artificial intelligence in cardiology: present and future (Paul Friedman, Rochester MN)

18:15 – 19:15 Welcome Reception

19:15 – 20:15 Clinical Decision Seminar: Difficult ECG Interpretations

Moderators: Firat Duru, Zurich and Christian Sticherling, Basel

Monday, 25 October

07:30 – 08:15 Breakfast / Satellite Symposium

08:15 – 09:30 Session 1: Acute Coronary Syndromes / Cardiogenic Shock

Chair: Franz Eberli, Zurich and Olivier Muller, Lausanne

- The spectrum of ACS: The road to personalised medicine (Thomas F. Lüscher, London)
- MINOCA: towards the understanding of an enigma (Filippo Crea, Rome)
- Antiplatelet therapy, anticoagulation after ACS (Marco Valgimigli, Lugano)
- Coronary dissection: A disease of fertile and pregnant women (Sophie Degrauwe, Geneva)

09:30 – 10:00 Coffee

10:00 – 11:30 Session 2: Chronic Coronary Syndromes

Chair: Hans Rickli, St. Gallen and William Wijns, Galway

- What is a chronic coronary syndrome? The 2019 ESC Guidelines and beyond (William Wijns, Galway)
- Intraprocedural coronary imaging: toy or necessity? (Lorenz Räber, Berne)
- Using machine learning to diagnose MI (Alan Maisel, San Diego)
- Revascularisation after the ISCHEMIA Trial (Bernard Gersh, Rochester)
- The left main controversy: EXCEL and beyond (Stephan Windecker, Berne)

12:00 – 13:15 Lunch / Satellite Symposium

13:30 – 15:00 Session 3: Atrial Fibrillation

Chair: Richard Kobza, Lucerne and Stefan Osswald, Basel

- Comparison of current available techniques in AF ablation (Christian Sticherling, Basel)
- Rate versus rhythm control: From AFFIRM to EAST (A. John Camm, London)
- Dementia and cognitive decline in AF (S. Osswald, Basel)
- LAA occlusion in AF: current developments and future perspectives (Ulf Landmesser, Berlin)

15:00 – 15:30 Coffee / Poster Presentation

15:30 – 16:30 Parallel Sessions

1. Poster Session

2. Meet the Expert Session (organised by SCOT)

Moderators: Nicolas Schärli, Basel and NN

Case presentations by young Swiss Cardiologists:

Federico Moccetti, Lucerne: title tbd

Jan Berg, Aarau: Recurrent myocarditis or an underlying cardiomyopathy?

Sebastian Seidl, St. Gallen: Unexpected turn in a thought to be crystal clear arrhythmia

Mirjam Gauri Wild, Bern: Pull the tether! - Hemolysis after transcatheter mitral valve implantation

3. Meet the Expert Session: Right Heart Catheterization

Moderators: Stefan Rosenkranz, Cologne and Micha Maeder, St. Gallen

4. Meet the Expert Session: New options to work up and manage amyloidosis

Moderators: Bettina Heidecker, Berlin und Simon Stämpfli, Lucerne

16:30 – 17:30 Parallel Sessions

1. New ESC Guidelines

Chair: William Wijns, Galway and Stephan Windecker, Bern

- ESC Guidelines: Non-ST-Segment elevation ACS (Holger Thiele, Leipzig)
- The 2020 ESC AF Guidelines: What approach to which patient? (Gerd Hindricks, Leipzig)
- The 2021 ESC Guidelines on cardiac pacing (Jens Cosedis Nielsen, Aarhus)

2. Cardiomyopathies and Arrhythmias

Chair: Laurent Haegeli, Aarau and Christian Sticherling, Basel

- Towards a personal use of ICDs? (Lars Kober, Copenhagen)
- Pharmacological treatment of hypertrophic cardiomyopathy: current practice and future perspectives (Iacopo Olivetto, Florence)
- Genetics in cardiomyopathies: academic or practical? (Benjamin Meder, Heidelberg)

18:00 – 19:15 Satellite Symposium

19:15 – 20:15 Parallel Sessions

1. Clinical Decision Seminar: Echo Pearls

Moderators: Michel Zuber, Othmarsingen and Felix C. Tanner, Zurich

2. Clinical Decision Seminar: Decision Making in Interventional Cardiology

Moderators: Franz Eberli, Zurich and Hans Rickli, St. Gallen

Tuesday, 26 October

07:30 – 08:15 Breakfast / Satellite Symposium

08:15 – 09:30 Session 1: Aortic Valve Disease

Chair: Felix C. Tanner, Zurich and NN

- Advanced imaging in aortic stenosis (Jeroen J. Bax, Leiden)
- TAVI in low and moderate risk patients (Thomas Pilgrim, Berne)
- Unresolved issues in TAVI (Stefan Toggweiler, Lucerne)
- The 2021 ESC Guidelines on valvular heart disease (Alec Vahanian, Paris)

09:30 – 10:00 Coffee

10:00 – 11:30 Parallel Sessions

1. Mitral and Tricuspid Valve Disease

Chair: Giovanni Pedrazzini, Lugano and Michael Gatzoulis, London

- Imaging the mitral valve (Michel Zuber, Othmarsingen)
- Management of MR: surgical or percutaneous? (Francesco Maisano, Milan)
- Tricuspid regurgitation: a new therapeutic target (Georg Nickenig, Bonn)
- NN

2. Covid-19 and the Heart

Chair: Richard Grocott-Mason, London and Bernard Gersh, Rochester

- The acute impact of Covid-19 on the cardiovascular system (Susanna Price, London)
- Collateral damage of Covid-19 (Thomas F. Lüscher, London)
- The Long Covid syndrome (Betty Raman, Oxford)
- From prevention to vaccination (Milo Puhan, Zurich)

12:00 – 13:15 Lunch / Satellite Symposium

13:30 – 15:00 Session 3: Heart Failure I: Established and Novel Drugs

Chair: John Cleland, Glasgow and NN

(Short presentations of 15 minutes)

- From ACE-inhibition to mineralocorticoid receptor antagonism (Marc Pfeffer, Boston)
- Angiotensin receptor antagonism and neprilysin inhibition across the spectrum of ejection fractions in heart failure (Karl Swedberg, Gothenburg)
- SGLT2 inhibitors in heart failure: when and how to use? (Milton Packer, Dallas)
- Cyclic GMP activators: The VICTORIA trial (Burkart Pieske, Berlin)
- Cardiac-specific myosin activators: GALACTIC-HF (John Cleland, Glasgow)

15:00 – 15:15 Coffee

15:15 – 16:00 Parallel Sessions

1. Meet the Expert Session: How to implement the 2021 ESC Guidelines in Heart Failure Algorithm for sequencing drug treatment in HFrEF

Moderators: Marco Metra, Brescia, Christian Mueller, Basel, and Roger Hullin, Lausanne

2. Meet the Expert Session: Imaging the Mitral Valve

Moderators: Victoria Delgado, Leiden, Michel Zuber, Othmarsingen and Simon Stämpfli, Lucerne

16:00 – 17:00 Session 4: Heart Failure II: Open Issues in Heart Failure

Chair: Milton Packer, Dallas and Marc Pfeffer, Boston

- The 2021 ESC Guidelines on heart failure (Marco Metra, Brescia)
- Clinical use of biomarkers in heart failure (Christian Mueller, Basel)
- Artificial Intelligence in heart failure (A. Maisel, San Diego)
- Remote monitoring in heart failure (Gerd Hindricks, Leipzig)

17:00 – 17:15 Wrap Up / Closing Remarks