

Association
for
European
Cardiovascular
Pathology

8th
Biennial
Meeting

8

11–13
October
2018
Lausanne
Switzerland

Meeting
Program

Locations

Pre congress workshops

Virtangio – CURML

Ch. de la Vulliette 4

1000 Lausanne

www.curml.ch

Institute of Pathology Georges Spengler Auditorium

Rue du Bugnon 25

1011 Lausanne

www.chuv.ch

Congress

CHUV Grand Auditoire César Roux

Rue du Bugnon 46

1005 Lausanne

www.chuv.ch

Gala dinner and event

Olympic museum lausanne

Quai d'Ouchy 1

1006 Lausanne

www.olympic.org/museum

Dear Participants,

On behalf of our Association and the local organizers, it is a great pleasure to welcome you to the 8th Biennial Meeting of the Association for European Cardiovascular Pathology (AECVP) in Lausanne, Switzerland.

For 20 years now, this event has become established as the leading meeting on Cardiovascular Pathology in Europe, welcoming participants from Europe and worldwide. We welcome all Clinicians and Scientists working in the Cardiovascular Pathology field who address breakthrough topics in cardiovascular medicine. The three days of the meeting will be organized in four symposia (Olsen-Gourley symposium on challenging cardiomyopathies, heart failure, sudden arrhythmic death and coronary artery pathology). There will be Keynotes lectures by René Prêtre, Hughes Abriel and Thomas F. Lüscher.

This year, Prof. Gaetano Thiene will receive the M. Davies Award and will give a lecture entitled “Cardiovascular Pathology and Sudden Cardiac Death: From Morgagni and Lancisi to Democritus and back”. Gaetano Thiene is a leader in the field of Cardiovascular Pathology and will deal with the history and evolving development of this important subject.

The oral and poster presentations will cover a wide range of topics, including autopsy studies and basic science. These will give a great opportunity for fruitful discussions. Indeed, our get-together represents an ideal platform to allow synergies and collaborations among worldwide scientists and clinicians. This meeting will encourage ongoing and future projects. Just as important, it will also enhance your social and professional network which includes a celebratory dinner at the Olympic museum.

It is with enthusiasm that we warmly welcome you in Lausanne, the heart of Olympic history!

Mary N. Sheppard
AECVP President

Katarzyna Michaud
Local Organizer

Thursday 11th

Pre congress workshops

October, 2018

Virtangio – CURML

Moderator

Silke Grabherr

8:00 – 8:15	Welcome coffee	
8:15 – 8:45	The application of native CT and its limits for cardiovascular imaging	Pia Baumann
8:45 – 9:15	Postmortem CT angiography and cardiovascular imaging	Silke Grabherr
9:15 – 9:45	Postmortem MRI: the future of cardiovascular imaging?	Fabrice Dédouit
9:45 – 10:15	Coffee break	
10:15 – 11:45	Hands-on: real cases of postmortem CT angiography	Alejandro Dominguez

**Institute of pathology –
Spengler auditorium**

Moderator

Cristina Basso

11:00 – 12:00	Dissection of the heart	
---------------	--------------------------------	--

12:30 **Registration**

13:30 **Opening ceremony**

Katarzyna Michaud, Local organizer, AECVP Secretary (CH)
Mary N. Sheppard, AECVP President (UK)
Silke Grabherr, CURML Director (CH)
Jean-Blaise Wasserfallen, CHUV Medical Vice-Director (CH)
Joel Rose, Cardiomyopathy Association (UK)

14:00 **Olsen-Gourley symposium**
Challenging cardiomyopathies

Chairs: Ivana Kholova (FI), Loukas Kaklamanis (GR)

14:00 **Left ventricular non-compaction** Tanner Felix (CH)

14:20 **Left ventricular non-ischemic scar** Giulia d'Amati (IT)

14:40 **Idiopathic left ventricular hypertrophy** Mary N Sheppard (UK)

15:00 **Role of MRI in diagnosis of (new)
cardiomyopathies** Pierre Monney (CH)

15:20 **Tako Tsubo** Aryan Vink (NL)

15:40 **Final discussion and closing of the
symposium**

15:45 **Keynote Lecture I**
Surgery of the right heart

René Prêtre (CH), Introduced by Samuel Rotman (CH)

Poster Session I

- 1 A new polylipic acid-based nano-platform for heart diseases treatment
C. Castellani, M. Fedrigo, E. Papini, A. Di Francesco, F. Mancin, J. Trzcinski, A. Angelini, R. Tavano
- 2 Micrnas signatures in cardiac biopsies detect cardiac allograft rejection
A. Di Francesco, M. Fedrigo, D. Santovito, F. De Pascale, **C. Castellani**, G. Feltrin, G. Toscano, A. Fraiese, G. Thiene, G. Valle, A. Schober, G. Gerosa, A. Angelini
- 3 Telocytes in the atrial myocardium in patients with atrial fibrillation
L. Mitrofanova, A. Gorshkov, A. Chazratov
- 4 Telocytes in the human sinoatrial node
L. Mitrofanova, A. Gorshkov
- 5 The role of hibernation in recovery of ischemic myocardium after CABG surgery
E. Stefanovic, P. Otasevic, L. Lausevic-V, N. Tasic, V. Kanjuh, M. Bojic
- 6 NK cells in endomyocardial biopsies from cardiac allografts: Detection, quantification, and precise localization using multiplex immunofluorescence
M. Terada, J. Calvani, M. Rabant, C. Lesaffre, J-P. Duong Van Huyen, **P. Bruneval**
- 7 Arrhythmogenic cardiomyopathy: The changing phenotypic spectrum
M. De Gaspari, S. Rizzo, G. Thiene, C. Basso
- 8 Lessons learned from a left ventricular arrhythmogenic cardiomyopathy misdiagnosed as ischemic heart disease
A. Herrero, A. Monzo, J. Sanz, M. Fenollosa, M. Martinez, P. Molina, E. Zorio
- 9 Sudden cardiac death caused by hypertrophic cardiomyopathy: Postmortem findings
A. Herrero, M. Almudever, J. Mari, J.L. Soler, P. Hevia, A. Colorado, D. Amorós, J. Giner, E. Zorio

- 10 Novel compound mutations in the mitochondrial translation elongation factor (*tsfm*) gene causing severe cardiomyopathy with myocardial fibro-adipose replacement
B. Cerbelli, E. Perli, A. Pisano, R. I.C. Glasgow, S. A. Hardy, G. Falkous, L. He, M. G. Pignataro, V. Morea, P. E. Bonnen, R. W. Taylor, G. d'Amati, C. Giordano
- 11 Quantitative pathologic diagnosis of mitochondrial cardiomyopathy
A. Takeda, J. Basgen
- 12 Retrospective survey of cardiovascular pathologic findings in stranded cetaceans in the Canary islands (1999–2012)
N. Câmara, E. Sierra, M. Arbelo, J. Díaz-Delgado, A. Fernández, P. Herráez
- 13 Spontaneous aortic rupture: Report of two cases
S. Tyagi, P. Vaideeswar
- 14 Anatomy of the cavo-tricuspid isthmus for radiofrequency ablation of atrial flutter
M. De Gaspari, S. Rizzo, B. Paradiso, G. Thiene, R. Verlato, C. Basso, MS. Baccillieri
- 15 Pathology of aortic valve remodeling after continuous-flow left ventricular assist device support
J-W. van Rijswijk, M. M.H. Huibers, R. A. de Weger, T. Peeters, J. van Kuik, F. Z. Ramjankhan, N. de Jonge, J. Kluin, **A. Vink**
- 16 An autopsy analysis of long segment aortic thrombosis
B. Baste, S. Shrikhande, P. Vaideeswar, M. Bhuwan
- 17 Concomitant severe aortopathy & idiopathic aortitis in unicuspid aortic stenosis
M. Bhuwan, P. Vaideeswar
- 18 Histopathology differences in ascending aortic diseases including bicuspid aortic valve
K. Amemiya, E. Mousseaux, H. Ishibashi-Ueda, P. Bruneval
- 19 Postmortem MR angiography after MPMCTA – Preliminary results
P. Genet, F. Dedouit, C. Bruguier, S. Grabherr
- 20 Coronary artery CT Calcium Score assessed with Calcium amount by Atomic Absorption Spectroscopy and compared to Macroscopic and Histological assessment
AG. Gheorghe, C. Jacobsen, R. Thomsen, K. Linnet, N. Lynnerup, C. B. Andersen, K. F. Kofoed, J. Banner

- 21 M2 macrophages heterogeneity in non-infarct zone following myocardial infarction
Y. Rogovskaya, A. Gombozhapova, M. Rebenkova, V. Ryabov, J. Kzhyshkowska
- 22 A rapid and inexpensive method for routine histologic processing of specimens with metallic stents
T. Jensen, D. V. Miller
- 23 A heart of stone: An autopsy case of massive myocardial calcification
J-Y. Na, J-T. Park
- 24 Fatal coronary thrombosis in a 20-year-old associated with diabetic ketoacidosis
L. Straka, M. Janík, J. Krajčovič, P. Hejna, F. Novomeský
- 25 Coronary artery dysplasia involving the conduction system of the heart
M. Zarattin, C. Volland, A-J. Lobrinus, C. Palmiere, K. Michaud
- 26 Evaluation of coronary artery plaques in ischemic heart disease
G. Amonkar, J. Ahuja, H. Desai, J. Deshpande
- 27 Ketoacidosis an overlooked cause of sudden unexpected death - a single centre systematic review
P. Gwiti
- 28 Sudden cardiac death in anabolic androgenic steroids abuse: Report of a case
Al. Hernández-Guerra, J. Tapia, L. Menéndez-Quintanal, J. Lucena
- 29 Cardiac strangulation by epicardial pacing device: A rare cause of sudden cardiac death
M. Janík, P. Hejna, L. Straka, J. Krajčovič, F. Novomeský
- 30 Atrio-ventricular septal defect unmasked in post-partum period
B. Baste, P. Vaideeswar
- 31 Double ventricular rupture: A case report
R. Ringger, O. Franz, S. Christian
- 32 Sudden cardiac death in an infant: Plexiform pulmonary arteriopathy or pulmonary arterial dysplasia?
S. Singaravel, P. Vaideeswar, A. Asthana

17:30

Oral Communications I

Chairs: Heike Göbel (DE), Tony Fracasso, (CH)

17:30

Sudden cardiac death caused by myocarditis in persons aged 1-49 years: A nationwide study of 14,294 deaths in Denmark

TH. Lyng, TS. Nielsen, KB. Olsen, BG. Winkel, J. Tfelt-Hansen, J. Banner

17:40

Arrhythmogenic cardiomyopathy: phenotype-genotype postmortem correlation

A. Monzo, MP. Suarez-Mier, B. Aguilera, J. Sanz, A. Barza, J. Sancho, JM. Ortiz, P. Molina, JR. Gimeno, E. Zorio

17:50

Arrhythmogenic cardiomyopathy: ECG features in sudden death victims reflect the underlying morphologic variant

M. De Gaspari, S. Rizzo, G. Thiene, C. Basso

18:00

Diagnostic accuracy of postmortem computed tomography, magnetic resonance imaging, and computed tomography-guided biopsies for the detection of ischaemic heart disease in a hospital setting

I.M Wagensveld, **B.M Blokker**, A. Pezzato, P. A Wielopolski, N. S Renken, J. H von der Thüsen, G. P Krestin, M. Hunink, J. Wolter Oosterhuis, A. C Weustink

18:10

Spatial metabolomic changes during early ischemia in rat heart

A. Aljakna, N. Bararpour, S. Grabherr, B. Kwak, A. Thomas, S. Sabatasso

18:20

New formula for cardiothoracic ratio for the diagnosis of cardiomegaly on post-mortem CT

M. Jotterand, M. Faouzi, F. Dédouit, K. Michaud

18:30

Final discussion and closing of the session

Friday 12th October

8:30

Symposium II Heart failure

Chairs: [Annalisa Angelini \(IT\)](#), [Dylan Miller \(USA\)](#)

8:30

Resynchronisation therapy - CRT

[Haran Burri \(CH\)](#)

8:50

**Primary graft failure after heart transplant.
Can we predict it?**

[Piergiorgio Tozzi \(CH\)](#)

9:10

**Molecular markers of the heart transplant
rejection**

[Patrick Yerly \(CH\)](#)

9:30

Allograft vasculopathy

[Patrick Bruneval \(FR\)](#)

9:50

**Final discussion and closing
of the symposium**

10:00

Coffee Break

Poster oral flash presentations I

Chairs: Rosa Henriques de Gouveia (PT), Mary N. Sheppard (UK)

- 33 Cardiac pathology in maternal mortality: An autopsy study
H. Desai, G. Amonkar, M. Palekar, K. Jashnani
- 34 Sudden unexpected death in epilepsy (SUDEP): Clinical characteristics and circumstances of death
K. Edwards, C. Miles, J. Westaby, M. N. Sheppard
- 35 Sudden cardiac death in elderly patients with hypertrophic cardiomyopathy. Data from a large pathology registry
G. Finocchiaro, G. Tanzarella, M. Papadakis, H. Dhutia, M. Tome, I. Diemberger, El. Behr, S. Sharma, M. N. Sheppard
- 36 Anomalous coronary origin and sudden cardiac death: A pathological series
G. Finocchiaro, E. R. Behr, G. Tanzarella, M. Papadakis, H. Dhutia, C. Miles, M. Tome, I. Diemberger, S. Sharma, M. N. Sheppard
- 37 Causes of sudden cardiac death among persons aged 1-49 years: A nationwide study of 14,294 deaths in Denmark
TH. Lyngge, JL. Nielsen, B. Risgaard, C. van der Werf, J. Banner, BG. Winkel, J. Tfelt-Hansen
- 38 Pathology of atherosclerotic coronary artery disease in young
P. Vaideeswar, S. Tyagi, M. Bhuwan, S. Singarvel
- 39 Sudden death and left ventricular involvement in arrhythmogenic cardiomyopathy
C. Miles, G. Finocchiaro, J. Westaby, M. Papadakis, B. Gray, S. Sharma, E. Behr, M. N. Sheppard

10:30

Oral Communications II

Chairs: Sara Sabatasso (CH), Kim Suvarna (UK)

10:30

**Histopathology of spontaneous coronary artery dissection:
A case series**

M. Margaritis, S. Parsons, J.L. Robertus, A. Vink, D. Adlam, M. Sheppard

10:40

Genetic analysis in bicuspid aortic valve

M. Cason, **S. Rizzo**, T. Bottio, R. Celeggin, M. Bueno Marinas, G. Thiene, C. Basso, K. Pilichou

10:50

**Inflammatory aortic disease: a retrospective, single centre study
using AECVP consensus guidelines**

R. Friedli, F. Schönhoff, J. Schmidli, T. Carrel, V. Genitsch, M. Trippel,
Y. Banz

11:00

**Microvascular rarefaction and loss of endothelium in severe aortic
stenosis**

M. Mahmud, **K. Chan**, J. Westaby, S. Myerson, S. Neubauer,
M. N. Sheppard

11:10

**Hormone receptor expression in microvascular proliferation
of arteriovenous malformation**

A.M. Utami, D.R. Pabittei, O.J. de Boer, C. Makaaij, A.C. van der Wal

11:20

**Stem cells improve kidney function and remodelling in cardiorenal
syndrome type 2**

C. Castellani, G. Vescovo, M. Fedrigo, GM. Vescovo, A. Di Francesco,
R. Tavano, M. Pozzobon, A. Angelini

11:30

Final discussion and closing of the session

11:40

**AECVP Michael Davies
Distinguished Achievement Award**

Gaetano Thiene (IT)

**Cardiovascular Pathology and Sudden
Cardiac Death: From Morgagni and Lancisi
to Democritus and back**

Introduced by Mary N. Sheppard (UK)

12:30

Lunch Break

13:30

**Symposium III
“Sudden arrhythmic death”**

Chairs: Jytte Banner (DK), Argelia Medeiros (CH)

13:30

Normal heart

Cristina Basso (IT)

13:50

Genetics of cardiac arrhythmias

Zahurul Alam Bhuiyan (CH)

14:10

Drug and arrhythmic SCD

Steven Cohle (USA)

14:30

Postmortem genetic testing
and European Recommendations

Florence Fellmann (LUX)

14:50

Final discussion and closing of the symposium

15:00

**Keynote Lecture II
“Molecular and cellular pathophysiology
of cardiac channelopathies”**

Hugues Abriel (CH), Introduced by Katarzyna Michaud (CH)

Poster Session II**Poster oral flash presentations II**

Chairs: Alexandre Lobrinus (CH), Mary N. Sheppard (UK)

- 40 Sports-related sudden death in Spain: A multicentre forensic study
B. Morentin, P. Molina, A. Monzó, MP. Suárez-Mier, J. Lucena
- 41 Cardiac fungal infections – a 20 year autopsy review
S. Singaravel, P. Vaideeswar
- 42 Young persons with diabetes mellitus have increased risk of sudden cardiac death
J. Svane, TH. Lyng, U. Pedersen-Bjergaard, T. Jespersen, GH. Gislason, B. Risgaard, J. Banner, BG. Winkel, J. Tfelt-Hansen
- 43 Cardiovascular causes of sudden unexpected death in children and adolescents (0-17 years); a nationwide autopsy study
A. Vos, A.C. van der Wal, A. H Teeuw, J. Bras, A. Vink, P. GJ Nikkels
- 44 Sudden cardiac death in hypertensive heart disease
J. Westaby, M. Sheppard
- 45 Sudden cardiac death and the molecular autopsy: Insights from 6,000 cases
J. Westaby, S. Cooper, K. Edwards, M. N. Sheppard
- 46 The occult rheumatic scourge: An autopsy analysis
P. Daga, P. Vaideeswar, S. Marathe

Poster Session II

Morning and afternoon coffee breaks

- 47 Sudden death in UK sport: commotio cordis
S. Cooper, N. Woodford, M. N. Sheppard
- 48 Epicardial adipocyte morphology and associations with metabolic syndrome and coronary artery disease
MR. Christensen, AG. Gheorghe, PH. Holm, JR. Nyengaard, N. Lynnerup, J. Rungby, J. Banner
- 49 Non-dystrophic myocardial calcification in acute systemic calciphylaxis
M. Bhuwan, P. Vaideeswar
- 50 IgG4-related disease in heart valves
I.Kholová, E. Niinimäki, A. A. Mennander, T. Paavonen
- 51 Giant cell myocarditis in a 2.5-month-old infant possibly triggered by excessive maternal alcohol abuse
J. Krajčovič, M. Janík, L. Straka, F. Novomeský
- 52 Unexpected triple endocarditis
R. Henriques de Gouveia, B.S. Silva, F. Corte Real
- 53 Cardiac & tumor arrhythmia
R. Henriques de Gouveia, G. Sá Mendes, J. Abecasis, M. Castro, S. Carvalho, M. Abecasis, S. Ramos
- 54 Eosinophilic myocarditis: pathological findings and differential diagnosis
H.H. de Boer
- 55 Cardiac toxoplasmosis and pneumocystis pneumonia – a fatal coinfection
G. Amonkar, H. Desai, D. Sharma
- 56 Tuberculous involvement of the heart: A report of 3 cases
H. Desai, G. Amonkar
- 57 Forensic Pathological Study of 334 Cases of Sudden Cardiac Death in Genova (Italy) district; a Seven-Year Report
R. Barranco, N. Vernazza, F. Ventura
- 58 Molecular causes of ventricular fibrosis in patients with atrial fibrillation
V. Titov, V. Runov, M. Vonsky, L. Mitrofanova, O. Moiseeva
- 59 Whole genome and transcriptome sequencing of formalin-fixed paraffin embedded cardiac tissues from sudden unexplained death victims
J.D. Andersen, S.B. Jacobsen, L.C. Trudsø, J. Banner, N. Morling

- 60 Genetic testing in sudden cardiac arrest survivors with or without clinical evidence of heart disease: a Swiss experience
B. Asatryan, A. Schaller, J. Seiler, H. Servatius, F. Noti, S. H. Baldinger, H. Tanner, L. Roten, R. Dillier, A. Lam, A. Haeberlin, G. Conte, A. M. Saguner, S. A. Müller, F. Duru, A. Auricchio, P. Ammann, C. Sticherling, H. Burri, T. Reichlin, M. Wilhelm, **A. Medeiros-Domingo**
- 61 Genetic testing and genetic counselling in sudden cardiac death relatives in Switzerland
A. Medeiros-Domingo, K. Michaud
- 62 The family of the victims of sudden cardiac death: Analysis of the relationships between psychopathology, grief, stressful life events and attachment
Soto, A. Cebrian, F. Savall, S. Casaña, **A. Monzo**, A. Herrero, E. Zorio, E. Suissa, M. Perez, P. Barreto

16:30

What is it? Session

Chairs: **Stephen Preston (UK), Patrick Gallagher (UK)**

16:35

**Complex congenital heart disease
presenting as sudden infant death:
A challenge for the forensic pathologist**

J. Lucena, J.L. Laborda

16:45

**Diffuse coronary arterial aneurysms –
primary manifestation of Takayasu disease**

**S. Singaravel,
P. Vaideeswar**

16:55

Extensive epicardial myxoid tumor

**P. Vaideeswar,
R. Malviya**

17:05

Sudden death in a 58-year-old female

P. Gwiti, M. Jenkins

17:15

Sudden death in chronic lung disease

E. Scarrott

18:30

Congress Gala Event at Olympic Museum

19:30

Gala dinner at Olympic Museum

Saturday 13th

October

9:00

Symposium IV
Coronary artery pathology - not only
atherosclerotic

Chairs: **Carla Giordano (IT), Olivier Muller (CH)**

9:00

Congenital abnormalities

Cira di Gioia (IT)

9:20

Coronary dissection

Stefania Rizzo (IT)

9:40

“Stent” related iatrogenic
coronary artery pathology

Allard van Wal (NL)

10:00

Drug of abuse and coronary artery
pathology

Joaquin Lucena (SP)

10:20

Final discussion and closing
of the symposium

10:30

Business meeting

10:50

Coffee break

11:15

Keynote Lecture III
Endothelial dysfunction
in cardiovascular diseases

Thomas F. Lüscher (CH), Introduced by Cristina Basso (IT)

12:00

Prize awards

Closing session

Farewell lunch



Local Organizing Committee

Katarzyna Michaud
Samuel Rotman
Christian Giroud
Fabrice Dedouit
Tony Fracasso
Silke Grabherr
Piergiorgio Tozzi
Jean-Pascal Chapatte
Sylvie Coronil
Alejandro Dominguez

AECVP Organizing and Scientific Committee

Mary N. Sheppard, AECVP President, UK
Annalisa Angelini, IT
Joaquin Lucena, ES
Katarzyna Michaud, CH
Samuel Rotman, CH
Patrick Brunewald, FR
Giulia d'Amati, IT
Cristina Basso, IT
Ivana Kholova, FI
Jytte Banner, DK
Stephan Preston, UK
Heike Goebel, GER
Allard van der Wal, NL

LivaNova
Health innovation that matters

Virtangio[®]

Made in partnership by

FUMEDICA 

CMA
CARDIOMYOPATHY
ASSOCIATION

 **Edwards**


Ville de Lausanne

www.aecvp2018.ch