



Training in Pediatric Intensive Care  
and Neonatal and Echocardiography

**25 – 27 January 2018, CHUV Lausanne, Switzerland**

Endorsed and supported by



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# WELCOMING WORDS

Dear neonatologists and pediatric intensivists,

It is our pleasure to invite you to the Follow-Up Course to the 2017 “Training in Pediatric Intensive Care and Neonatal Echocardiography” (TINEC) organized jointly by pediatric cardiologists, intensivists and neonatologist from the University Hospital of Lausanne and Geneva, Switzerland.

This Follow-Up training course, designed for practitioners who have participated in basic training, will consist of theoretical sessions as well as hands-on workshops in small groups and practice on patients and mannequins.

We hope it will be a great opportunity for neonatologists and pediatric intensivists to practice echocardiography skills targeted to their everyday practice and to meet specialists from all different fields.

We look forward to having you in Lausanne in January 2018.

## The TINEC 2018 Organizing Committee:

Prof Nicole Sekarski, Chief Pediatric Cardiology,  
*University Hospital, Lausanne, Switzerland*

Dr Cécile Tissot, Pediatric Cardiology,  
*Clinique des Grangettes Geneva, Switzerland*

Dr Marie Hélène Perez, Pediatric Intensivist,  
*University Hospital, Lausanne, Switzerland*

Dr Yogen Singh, Neonatology / Pediatric Cardiology,  
*Cambridge University Hospital, United Kingdom*



Please note: The next basic training course will be held in January 2019.

# CONFERENCE ORGANIZATION

## TINEC 2018 ORGANIZING COMMITTEE

Prof Nicole Sekarski, *Pediatric Cardiology, University Hospital, Lausanne, Switzerland*

Dr Cécile Tissot, *Pediatric Cardiology, Clinique des Grangettes, Geneva, Switzerland*

Dr Marie Hélène Perez, *Pediatric Intensivist, University Hospital, Lausanne, Switzerland*

Dr Yogen Singh, *Neonatology / Pediatric Cardiology, Cambridge, University Hospital, United Kingdom*

## ENDORSED AND SUPPORTED BY



European Society of  
Paediatric and Neonatal  
Intensive Care (ESPNIC)



AEPC (Association for  
European Paediatric and  
Congenital Cardiology)

## EDUCATIONAL CREDITS



**The Training in Pediatric Intensive Care and Neonatal Echocardiography, Lausanne, Switzerland, 25/01/2018-27/01/2018** has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 14 European CME credits (ECMEC®s).



The event **“Training in Pediatric Intensive Care and Neonatal Echochardiography”** is accredited by the European Board for Accreditation in Cardiology (EBAC) for 14 hours of External CME credits.

EBAC works according to the quality standards of the European Accreditation Council for Continuing Medical Education (EACCME), which is an institution of the European Union of Medical Specialists (UEMS).

Each medical specialist should claim only those credits that he/she actually spent in the educational activity.

In order to ensure that the medical specialist has partaken in the course, they will be scanned upon entry to the sessions.

La Société Suisse de médecine intensive SSMI (Schweizerische Gesellschaft für Intensivmedizin SGI) has granted 16 CME credits.

## ADMINISTRATIVE SECRETARIAT

**SYMPORG** 

Symposium & Conference Organizers

Rue Rousseau 30, CH 1201 Geneva, Switzerland

Tel: +41 (0)22 839 84 84 - Fax: +41 (0)22 839 84 85

Email: [tinec@symporg.ch](mailto:tinec@symporg.ch) - Website: [www.tinec.org](http://www.tinec.org)

# FACULTY

**Prof Maurice Beghetti**

*Pediatric Cardiology, University Hospital Geneva, Switzerland*

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**Dr Tatiana Boulos Ksontini**

*Pediatric Cardiology, University Hospital Lausanne, Switzerland*

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**Dr Maya Bouhabib**

*Pediatric Cardiology, University Hospital Geneva, Switzerland*

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**Dr Sabrina Bressieux-Delguedre**

*Pediatric Cardiology, University Hospital Lausanne, Switzerland*

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**Dr Stefano Di Bernardo**

*Pediatric Cardiology, University Hospital Lausanne, Switzerland*

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**Dr Anne-Laure Martin**

*Pediatric Intensive Care, University Hospital Geneva, Switzerland*

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**Prof Patrick McNamara**

*Neonatologist, SickKids Hospital, Toronto, Canada*

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**Dr Marie H el ene Perez**

*Pediatric Intensivist, University Hospital Lausanne, Switzerland*

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**Dr Milan Prsa**

*Pediatric cardiology, University Hospital Lausanne, Switzerland*

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**Prof Joan Sanchez de Toledo**

*Pediatric Cardiology, Sant Joan de D eu Hospital, Barcelona, Spain*

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**Prof Nicole Sekarski**

*Pediatric Cardiology, University Hospital Lausanne, Switzerland*

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**Dr Yogen Singh**

*Neonatology / Pediatric Cardiology, Cambridge University Hospital, United Kingdom*

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**Prof Pierre Tissier es**

*Pediatric Intensivist, Bic etre Hospital, Paris, France*

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**Dr C ecile Tissot**

*Pediatric Cardiology, Clinique des Grangettes, Geneva, Switzerland*

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**Dr Angelika Weber**

*Pediatric Cardiology, University Hospital Lausanne, Switzerland*

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# SCIENTIFIC AND EDUCATIONAL PROGRAM

Thursday, 25 January 2018

13:00 - 13:45 Registration

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13:45 - 14:00 **Presentation of the course** *Auditoire César Roux*  
*Nicole Sekarski, Cécile Tissot,*  
*Marie-Hélène Perez, Yogen Singh*

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## 1<sup>st</sup> PARALLEL SESSIONS: ECHOCARDIOGRAPHY BASICS

**Core Program** *Auditoire César Roux*  
*Moderator: Maurice Beghetti*

14:00 - 15:00 **Ultrasound Physics / standard views**  
*Nicole Sekarski, Cécile Tissot*

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15:00 - 15:30 **Qualitative and basic quantitative functional assessment:  
SF, EF, CO, IVC, PHT, fluid responsiveness**  
*Nicole Sekarski*

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**Advanced Program** *Auditoire Charlotte Olivier*  
*Moderator: Marie-Hélène Perez*

14:00 - 15:00 **Advanced hemodynamics:  
diastolic, TDI, RV function, dP/dT, PHT**  
*Yogen Singh*

15:00 - 15:30 **Echo evaluation in ECMO patient**  
*Joan Sanchez de Toledo*

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**1<sup>st</sup> JOINT SESSION:  
MEET THE EXPERTS**

*Auditoire César Roux*

15:30 - 16:00 1<sup>st</sup> Round of Interactive Cases

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16:00 - 16:30 Coffee break

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**2<sup>nd</sup> PARALLEL SESSIONS**

**Neonatal Evaluation**

*Auditoire César Roux*

*Moderator: Nicole Sekarski*

16:30 - 17:00 **Transition and PDA**  
*Patrick McNamara*

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17:00 - 17:30 **Diaphragmatic hernia**  
*Yogen Singh*

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**PICU**

*Auditoire Charlotte Olivier*

*Moderator: Joan Sanchez de Toledo*

16:30 - 17:00 **POCUS education and international experience**  
*Cécile Tissot*

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17:00 - 17:30 **Line Placement**  
*Pierre Tissières*

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**2<sup>nd</sup> JOINT SESSION:  
MEET THE EXPERTS**

*Auditoire César Roux*

17:30 - 18:00 2<sup>nd</sup> Round of Interactive Cases

**3<sup>rd</sup> JOINT SESSION**

*Auditoire Charlotte Olivier*

*Moderators: Pierre Tissières, Yogen Singh*

08:30 - 09:00 **Pulmonary hypertension**

*Patrick McNamara*

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09:00 - 09:30 **Effusion and lung US**

*Joan Sanchez de Toledo*

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09:30 - 10:00 Meet the Experts: 3<sup>rd</sup> Round of interactive cases

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10:00 - 10:30 Coffee break

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**4<sup>th</sup> PARALLEL SESSIONS**

**Neonatal Program**

*Auditoire Charlotte Olivier*

*Moderator: Patrick McNamara*

10:30 - 11:00 **Echo evaluation in poor cardiac adaptation**

*Nicole Sekarski*

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11:00 - 11:30 **Echo evaluation in asphyxia**

*Yogen Singh*

**PICU Program**

*Auditoire Mathias Mayor*

*Moderator: Cécile Tissot*

10:30 - 11:00 **Echo evaluation in postoperative residual lesions**

*Stefano di Bernardo*

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11:00 - 11:30 **Echo evaluation in shock**

*Pierre Tissières*



**4<sup>th</sup> JOINT SESSION:  
MEET THE EXPERTS**

*Auditoire Charlotte Olivier*

11:30 - 12:00 4<sup>th</sup> Round of interactive cases

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12:00 - 13:15 Lunch

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13:30 - 18:00 **HANDS-ON** (Groups of 6 persons max)  
French and English, beginners and advanced

- NICU
- PICU
- Normal
- Simulation station
- Line Placement

*The exact location of the hands-on session will be communicated to you during the sessions.*

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19:00 – 22:30 Conference Dinner  
Join us for a wonderful meal and conversation at the Abbaye de Montheron  
**Buses depart from the CHUV parking at 18:15!**

**Saturday, 28 January 2018**

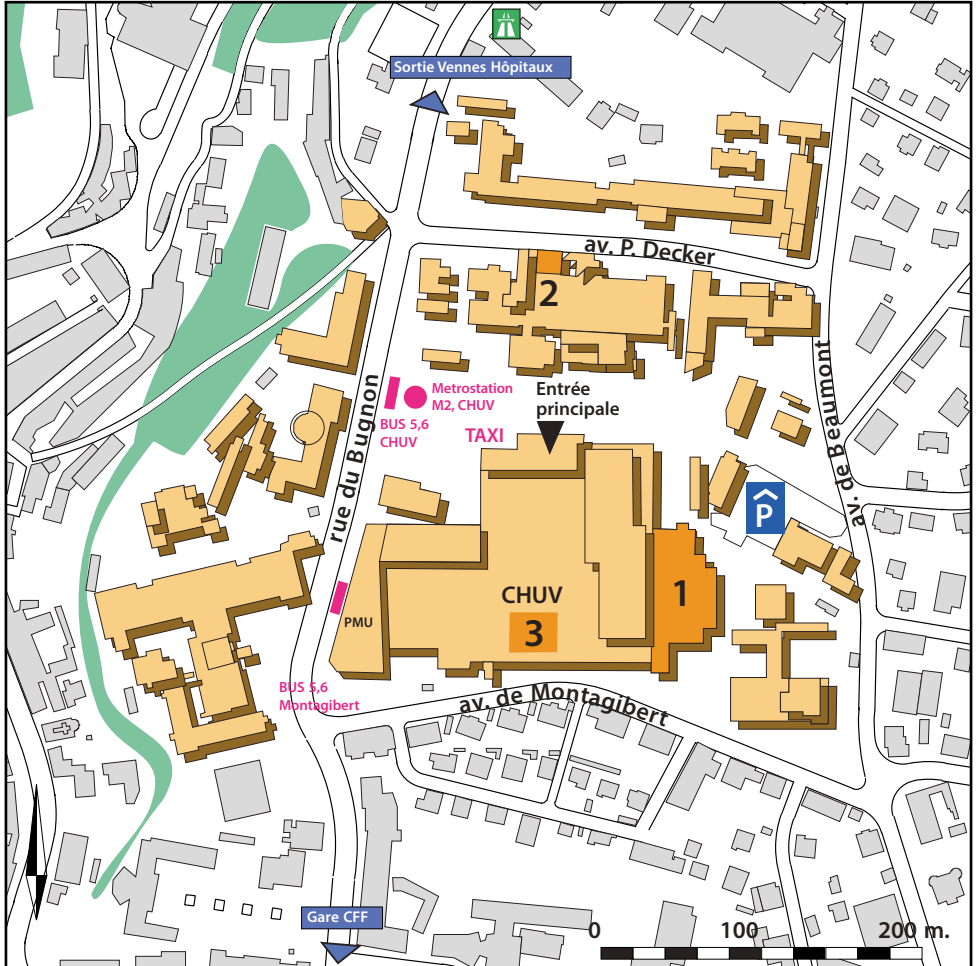
09:00 - 12:00 **HANDS-ON** (Groups of 6 persons max)  
French and English, beginners and advanced

- NICU
- PICU
- Normal
- Simulation station
- Line Placement

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12:10 -12:30 **Closing Remarks** *Auditoire Charlotte Olivier*  
*Nicole Sekarski, Cécile Tissot,  
Yogen Singh, Marie-Hélène Perez*

# ROOM ACCESS MAP



## 1. CHUV: (BH 08)

Rooms: auditoires César Roux,  
Charlotte-Olivier and Mathias Mayor

## 2. MATERNITY

## 3. PEDIATRIC CARDIOLOGY

# SPONSORS

TINEC 2018 thanks the following companies for their support:





# SOCIAL PROGRAM

## CONFERENCE DINNER

FRIDAY, 26 JANUARY 2018 FROM 19H00



### **Location:**

Abbaye de Montheron  
Route de l'Abbaye 2  
CH – 1053 Montheron

[auberge@montheron.ch](mailto:auberge@montheron.ch)  
+41 21 731 73 73

**Departure:** 18h15 by bus at the CHUV parking

**Return:** ca. 22h00 by bus from the restaurant to the train station and to the CHUV

**Tickets:** CHF 70 per person (excluding 8% VAT); tickets are available at the registration desk

# GENERAL CONDITIONS

In case of big affluence, only the first registrations will be accepted.

## PRICES

	<b>Early Bird Until 31 December 2017</b>	<b>Late Bird and onsite From 1 January 2018</b>
<b>Participant</b>	700 CHF	800 CHF
<b>ESPNIC / AEPC Member</b>	450 CHF	550 CHF
<b>AEPC Junior Member</b>	250 CHF	350 CHF
<b>Course registration</b> (no hands-on sessions)	300 CHF	400 CHF

The Registration fees include:

- Admission to the scientific sessions including hands-on and sessions
- Scientific materials
- Lunch on Friday
- Coffee breaks

**Conference Dinner tickets:** CHF 70.- / per person (VAT excluded)

## PAYMENT OPTIONS

All payments must be made in CHF (Swiss Francs) and prior to arrival.

## CANCELLATION POLICY

Cancellations will be accepted until November 1, 2017.

The full amount will be refunded less 100 CHF to cover cancellation costs (excl. VAT).

No refunds will be made for cancellations received after this date. Cancellations must be made in writing by e-mail, fax or airmail to the congress secretariat. Reimbursement will not be given for late arrival, unused services, unattended events or early departure from the congress.

## BADGES

Delegates will receive a name-badge when they register at the reception desk. The badge must be worn prominently in order to gain access to the training area during all scientific and social events. Admission will be refused to anyone not in possession of an appropriate badge.

Please note that the badge will be scanned for the CME credits. Please ensure that you are scanned each day. Thank you.

## INSURANCE

Neither the organization nor the conference agency are responsible for individual medical, travel or personal insurance. Delegates are requested to arrange their own travel and health insurance. The organizers cannot assume liability for changes in the programme due to external circumstances.

# ABOUT LAUSANNE



Situated at the heart of the Lausanne-Morges agglomeration, the capital of the canton of Vaud is in the throes of development, with business, urban planning, public transport and mobility all sectors undergoing transformation. The fourth-largest city in Switzerland, Lausanne is set apart by its vocation as an Olympic city, a sustainable city and a place of training and culture. A very popular tourist destination, the city is also home to many international companies.

## TOURIST INFORMATION AND FREE PUBLIC TRANSPORTATION

If you are staying at a hotel in Lausanne, you will be offered a free transportation card upon your check in at the hotel. Use this card to visit some of the highlights that Lausanne has to offer or maybe venture a bit further and take a short ski vacation! For more information, visit the Lausanne Tourist Offices at the main train station or at the Ouchy Metro station or online at [www.lausanne-tourisme.ch](http://www.lausanne-tourisme.ch)



## HIGHLIGHTS

The Cathedral of Lausanne and The Olympic Museum  
Ouchy and Lake Geneva  
The UNESCO World Heritage: Lavaux vineyards



### TAKE A SHORT SKI BREAK!

The climate is usually cold in January with temperature of around 0 to 5° Celsius. Why not prolong your stay with a short ski break? Visit the Villars-Gryon or the Les Diablerets ski resorts just 45 min outside of Lausanne or for the more adventurous: the Chateau d'Oex and the Pays-d'Enhaut regions. All these ski resorts can be easily reached by train from Lausanne.

### BANKS AND CURRENCY EXCHANGE

The local currency is the Swiss Franc (CHF). One Swiss Franc equals approximately 0.85 Euro; or 1.00 USD (exchange rate valid in January 2017).

Banking hours are from Monday to Friday: 9 am – 5 pm. Saturday: 9 am – 12 am

### SHOPPING

Shops in Lausanne are open

Monday to Friday from 8:30 am to 7 pm and Saturday from 8:30 to 6:00 pm.























# PROGRAM AT A GLANCE

## THURSDAY, JANUARY 25, 2018

	Auditoire César Roux	Auditoire Charlotte Olivier
13:00 - 13:45	Registration	
13:45 - 14:00	OPENING REMARKS, <i>Nicole Sekarski, Cécile Tissot, Yogen Singh, Marie-Hélène Perez</i>	
14:00 - 16:00	<b>1<sup>st</sup> PARALLEL SESSIONS: ECHOCARDIOGRAPHIC BASICS</b>	
	<b>Core Program</b>	<b>Advanced Program</b>
14:00 - 15:00	Ultrasound physics / standard views <i>Nicole Sekarski, Cécile Tissot</i>	Advanced hemodynamics: diastolic, TDI, RV function, dP/dT, PHT, <i>Yogen Singh</i>
15:00 - 15:30	Qualitative and basic quantitative functional assessment: SF, EF, CO, IVC, PHT, fluid responsiveness, <i>Nicole Sekarski</i>	Echo evaluation in ECMO patients <i>Joan Sanchez de Toledo</i>
15:30 - 16:00	Meet the experts: 1 <sup>st</sup> round of interactive cases (Auditoire Charlotte Olivier)	
16:00 - 16:30	Coffee break	
	<b>2<sup>nd</sup> PARALLEL SESSIONS</b>	
	<b>Neonatal Evaluation</b>	<b>PICU</b>
16:30 - 17:00	Transition and PDA, <i>Patrick McNamara</i>	POCUS education and international experience, <i>Cécile Tissot</i>
17:00 - 17:30	Diaphragmatic hernia, <i>Yogen Singh</i>	Line Placement, <i>Pierre Tissières</i>
17:30 - 18:00	Meet the experts: 2 <sup>nd</sup> round of interactive cases (Auditoire Charlotte Olivier)	

## FRIDAY, JANUARY 26, 2018

	Auditoire Charlotte Olivier	
	<b>3<sup>rd</sup> JOINT SESSION</b>	
08:30 - 09:00	Pulmonary hypertension <i>Patrick McNamara</i>	
09:00 - 09:30	Effusion and lung US <i>Joan Sanchez de Toledo</i>	
09:30 - 10:00	Meet the experts: 3 <sup>rd</sup> round of interactive cases	
10:00 - 10:30	Coffee break	
	<b>4<sup>th</sup> PARALLEL SESSIONS</b>	
	<b>Auditoire Charlotte Olivier</b>	<b>Auditoire Mathias Mayor</b>
	<b>NEONATAL PROGRAM</b>	<b>PICU PROGRAM</b>
10:30 - 11:00	Echo evaluation in poor cardiac adaptation, <i>Nicole Sekarski</i>	Echo evaluation in postoperative residual lesions, <i>Stefano di Bernardo</i>
11:00 - 11:30	Echo evaluation in asphyxia, <i>Yogen Singh</i>	Echo evaluation in shock, <i>Pierre Tissières</i>
11:30 - 12:00	Meet the experts: 4 <sup>th</sup> round of interactive cases (Auditoire Charlotte Olivier)	
12:15 - 13:30	Lunch	
13:30 - 18:00	<b>HANDS-ON (Groups of max 5 persons)</b>	
19:00	Conference Dinner: Abbaye de Monthéron - Buses depart at 18:15 from CHUV Parking	

## SATURDAY, JANUARY 27, 2018

09:00 - 12:00	<b>HANDS-ON (Groups of max 5 persons)</b>	
12:00	CLOSING REMARKS, <i>Nicole Sekarski, Cécile Tissot, Yogen Singh, Marie-Hélène Perez</i>	