

# Training in Pediatric Intensive Care and Neonatal Echocardiography



*January 30 - February 1, 2020, Lausanne, Switzerland*  
[www.tinec.org](http://www.tinec.org)



**FINAL PROGRAM**

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# WELCOMING WORDS

Dear neonatologists and pediatric intensivists,

It is our great pleasure to invite you to the 5<sup>th</sup> Extended Course “Training in Pediatric Intensive Care and Neonatal Echocardiography” (TINEC) organized jointly by pediatric cardiologists, intensivists and neonatologists from the University Hospitals of Lausanne, Geneva (Switzerland) and Cambridge (United Kingdom).

The Extended course is designed for practitioners who have already some basic echocardiography training. It will consist of lectures as well as interactive cases and hands-on workshops in small groups and practice on real patients with cardiac pathology and mannequins.

This year special sessions will be also done, by local and international faculty, on lung and abdominal ultrasound and line placement.

We are delighted to welcoming you to Lausanne!

Warm regards,

## **TINEC 2020**

### **Organizing Committee:**

*Prof. Nicole Sekarski*

*Dr Cécile Tissot*

*Dr Marie Hélène Perez*

*Dr Sébastien Joye*

*Dr Yogen Singh*



# CONFERENCE ORGANIZATION

## TINEC 2020 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

*Chief Pediatric Intensive Care, University Hospital, Lausanne, Switzerland*

Dr Sébastien Joye

*Neonatology, University Hospital, Lausanne, Switzerland*

Dr Yogen Singh

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

## ORGANISED JOINTLY BY

University Hospitals of Lausanne, Geneva (Switzerland) and Cambridge (UK).

## ENDORSED BY

Association for European Paediatric and Congenital Cardiology (AEPC) working group,  
European Society of Paediatric Neonatal Intensive Care (ESPNIC).

## EDUCATIONAL CREDITS

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 14 CME credits.

The European Accreditation Council for Continuing Medical Education (EACCME®) has granted 13 European CME credits (ECMEC®s).

## 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

*Chief Pediatric Cardiology, University Hospital of Geneva, Switzerland*

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Dr Tatiana Boulos Ksontini

*Pediatric Cardiology, University Hospital of Lausanne & Vevey Hospital, Switzerland*

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Dr Sabrina Bressieux-Degueldre

*Pediatric Cardiology, University Hospital of Lausanne, Switzerland*

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Dr Thomas Conlon

*Critical Care Medicine, Children's Hospital of Philadelphia, USA*

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Dr Stefano Di Bernardo

*Pediatric Cardiology, University Hospital of Lausanne, Switzerland*

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Dr Maky Fraga

*Neonatologist, Children's Hospital of Philadelphia, USA*

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Dr David Glauser

*Neonatologist, University Hospital of Zurich, Switzerland*

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Dr Sébastien Joye

*Neonatologist, University Hospital of Lausanne, Switzerland*

Dr Sebastiano Lava

*Fellow in pediatric cardiology, University Hospital of Lausanne, Switzerland*

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Dr Marie Hélène Perez

*Chief Pediatric Intensive Care, University Hospital of Lausanne, Switzerland*

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Dr Milan Prsa

*Pediatric Cardiology, University Hospital of Lausanne, Switzerland*

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Dr Damien Schaffner

*Fellow in pediatric cardiology, University Hospital of Lausanne, Switzerland*

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Prof. Nicole Sekarski

*Chief Pediatric Cardiology, University Hospital of Lausanne, Switzerland*

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Dr Yogen Singh

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

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Dr Cécile Tissot

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

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Dr Julie Wacker Bou Puigdefabregas

*Pediatric Cardiology, University Hospital of Geneva, Switzerland*

# SCIENTIFIC AND EDUCATIONAL PROGRAM

THURSDAY JANUARY 30, 2020

12:00 – 13:00 Welcome and Registrations

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13:00 – 13:30 **Introduction of the course** Auditoire Charlotte Olivier  
*Course directors: Sébastien Joye (Switzerland),  
Nicole Sekarski (Switzerland), Cécile Tissot (Switzerland),  
Marie Hélène Perez (Switzerland), Yogen Singh (United Kingdom)*

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## **ECHOCARDIOGRAPHY IMAGING AND EVALUATION**

Auditoire Charlotte Olivier

*Moderator: Sébastien Joye (Switzerland)*

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13:30 – 14:00 **Imaging optimization and standard view**  
*Cécile Tissot (Switzerland) and Nicole Sekarski (Switzerland)*

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14:00 – 14:30 **Basic and Advanced evaluation of systolic function**  
*Nicole Sekarski (Switzerland)*

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14:30 – 15:00 **Basic and Advanced evaluation of diastolic function**  
*Cécile Tissot (Switzerland)*

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15:00 – 15:30 **Discussion of interesting cases**

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15:30 – 16:00 Coffee break

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## MAJOR TOPICS AT THE PICU AND NICU

Auditoire Charlotte Olivier

*Moderator: Cécile Tissot (Switzerland)*

16:00 – 16:30 **Utility of the echocardiography during the Transitional period in neonate**  
*Yogen Singh (United Kingdom)*

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16:30 – 17:00 **Advanced evaluation of a hemodynamic significant PDA in neonate**  
*Sébastien Joye (Switzerland)*

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17:00 – 17:30 **Discussion of interesting cases**

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17:30 – 17:50 **Take home message**  
*Yogen Singh (United Kingdom)*

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## CLOSING SESSION

17:50 – 18:00 **Take home message for the day**  
*Yogen Singh (United Kingdom)*

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FRIDAY JANUARY 31, 2020

## POINT-OF-CARE ULTRASOUND

Auditoire Charlotte Olivier

*Moderator: Thomas Conlon (USA)*

08:00 – 08:20 **Lung ultrasound**  
*Thomas Conlon (USA)*

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08:20 – 08:40 **Line placement**  
*Maky Fraga (USA)*

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08:40 – 09:00	<b>Abdominal ultrasound</b> <i>Thomas Conlon (USA)</i>	
09:00 – 09:20	<b>Echocardiography for mechanical support</b> <i>Nicole Sekarski (Switzerland)</i>	
09:20 – 09:50	<b>Discussion of interesting cases</b> <i>Stefano Di Bernardo (Switzerland)</i>	
09:50 – 10:00	<b>Take home message</b> <i>Stefano Di Bernardo (Switzerland)</i>	
10:00 – 10:30	Coffee break	
	<b>MAJOR TOPICS</b> <b>AT THE PICU AND NICU</b> <i>Moderator: Marie Hélène Perez (Switzerland)</i>	Auditoire Charlotte Olivier
10:30 – 10:50	<b>How to evaluate pericardial effusion and tamponade</b> <i>Milan Prsa (Switzerland)</i>	
10:50 – 11:20	<b>Evaluation of a septic shock</b> <i>Thomas Conlon (USA)</i>	
11:20 – 11:50	<b>Evaluation of a pulmonary hypertension at the NICU and PICU</b> <i>Maurice Beghetti (Switzerland)</i>	
11:50 – 12:10	<b>Discussion of interesting cases</b> <i>Damien Schaffner (Switzerland), Sebastiano Lava (Switzerland)</i>	
12:10 – 12:20	<b>Take home message</b>	
12:20 – 14:00	Lunch	



14:00 – 17:00 **Hands-on in small groups (max 5 participants)**

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**SATURDAY FEBRUARY 1, 2020**

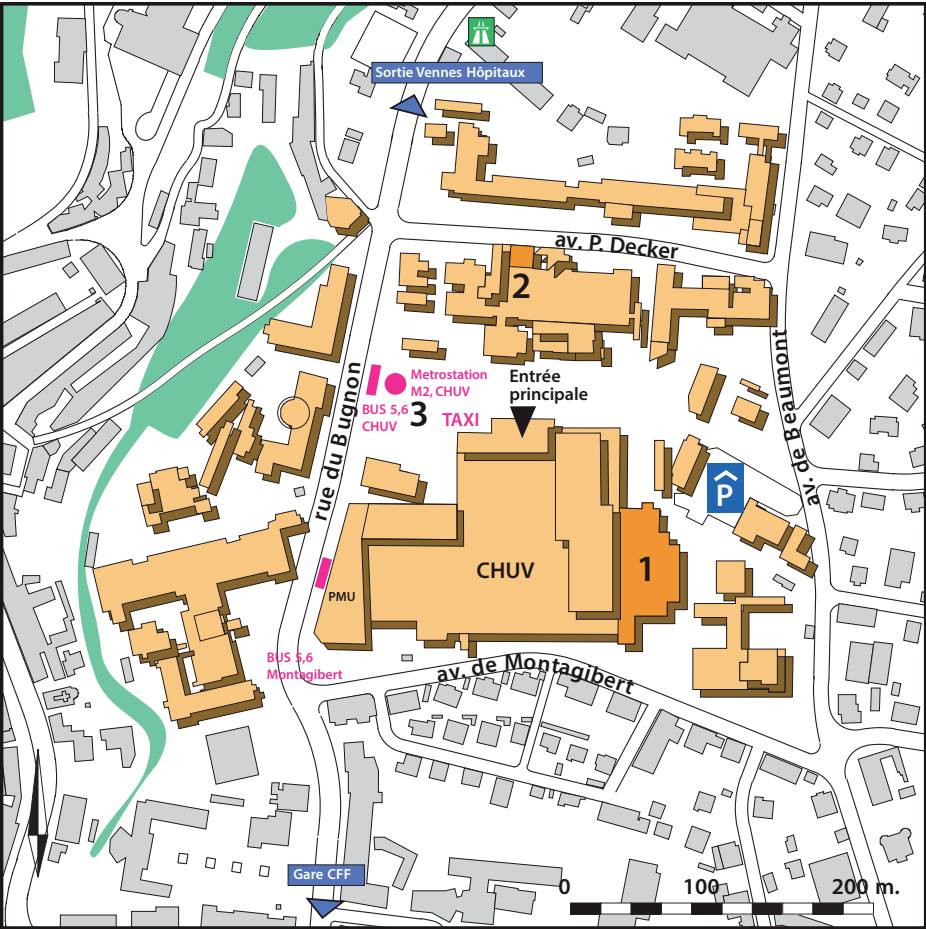
08:30 – 11:30 **Hands-on in small groups (max 5 participants)  
and evaluation**

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11:30 – 12:00 **Take home message  
and closing remarks**

*Course directors: Sébastien Joye (Switzerland),  
Nicole Sekarski (Switzerland), Cécile Tissot (Switzerland),  
Marie Hélène Perez (Switzerland), Yogen Singh (United Kingdom)*

# ROOMS ACCESS MAP



1. CHUV: (BH 08)  
Auditoire Charlotte Olivier

2. MATERNITY

3. M2, METRO STATION, CHUV

# SPONSORS

TINEC 2020 thanks the following companies for their support



ASSOCIATION FOR EUROPEAN  
PAEDIATRIC AND CONGENITAL  
CARDIOLOGY



**ACTELION**

A JANSSEN PHARMACEUTICAL COMPANY  
OF *Johnson & Johnson*



GE Healthcare

**PHILIPS**  
Healthcare

# GENERAL INFORMATION

## VENUE

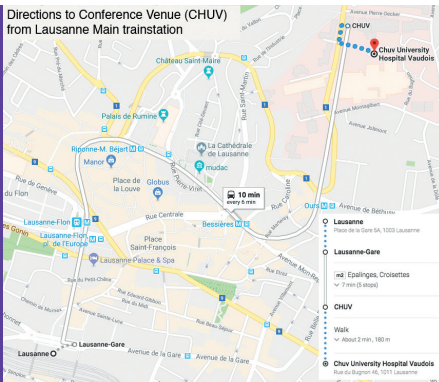
### CHUV

University Hospital of Lausanne  
Rue du Bugnon 46  
1011 Lausanne

## ACCESS

M2 Metro station: CHUV  
Website: [www.chuv.ch](http://www.chuv.ch)

Directions to Conference Venue (CHUV)  
from Lausanne Main trainstation



## REGISTRATION DESK OPENING HOURS

Thursday, 30 January 2020: 12h00-18h00  
Friday, 31 January 2020: 07h30-10h30  
Saturday, 1 February 2020: 08h00-10h00

## OFFICIAL LANGUAGE

English is the official language of the congress. No simultaneous interpretation will be provided.

## WIFI

Please check the registration desk for more information.

## EVALUATION FORM

In order to provide you with meetings of highest possible quality you are kindly requested to complete an evaluation form, which is also a requirement of accreditation by the European Council for Continuing Medical Education (EACCME). You will receive the form at the registration desk when you pick up your badge.

## CERTIFICATE OF ATTENDANCE

The certificate of attendance and the credits will be sent to you after the conference by email. Thank you for your understanding.

# GENERAL CONDITIONS

We would like to bring your attention that the conference rooms have limited capacity. In case of big affluence, only the first registrations will be accepted.

## PRICES

	<b>Early Bird Until 6 December 2019</b>	<b>Late Bird and onsite From 7 December 2019</b>
<b>Participant</b>	CHF 600	CHF 700
<b>Participant from low &amp; middle income countries</b>	CHF 450	CHF 550
<b>ESPNIC / AEPC Member</b>	CHF 450	CHF 550
<b>AEPC Junior Member</b>	CHF 250	CHF 350
<b>Course registration (no hands-on sessions)</b>	CHF 300	CHF 400

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 December 1, 2019. 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.

# SOCIAL PROGRAM

## CONFERENCE DINNER

FRIDAY, 31 JANUARY 2020, 19:00



### Location:

Carlton Boutique Hotel Lausanne  
Avenue de Cour 4  
1007 Lausanne

### Access by public transport:

From CHUV, line M2 (subway),  
direction Ouchy, stop Délices,  
then 2 minutes by foot.

### Important note:

If you are staying at a hotel in  
Lausanne, you will be offered a  
free transportation card upon your  
check in at the hotel

### Tickets:

CHF 70.- per person  
(excluding 7.7% VAT)

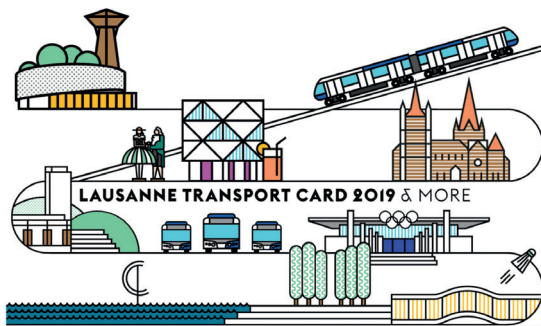


# ABOUT LAUSANNE

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, The Olympic Museum, Ouchy, 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 0.90 Euro; or 1.00 USD (exchange rate valid in January 2020). 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.

# NOTES

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THURSDAY JANUARY 30, 2020

12:00 - 13:00	Registration
13:00 - 13:30	<b>Introduction of the course</b> (room: Auditoire Charlotte Olivier) <i>Course directors: Sébastien Joye, Nicole Sekarski, Cécile Tissot, Marie Hélène Perez, Yogen Singh</i>
<b>ECHOCARDIOGRAPHY IMAGING AND EVALUATION</b> <i>Moderator: Sébastien Joye</i>	
13:30 - 14:00	<b>Imaging optimization and standard view</b> <i>Cécile Tissot, Nicole Sekarski</i>
14:00 - 14:30	<b>Basic and Advanced evaluation of systolic function</b> <i>Nicole Sekarski</i>
14:30 - 15:00	<b>Basic and Advanced evaluation of diastolic function</b> <i>Cécile Tissot</i>
15:00 - 15:30	Discussion of interesting cases
15:30 - 16:00	Coffee break
<b>MAJOR TOPICS AT THE PICU AND NICU</b> <i>Moderator: Cécile Tissot</i>	
16:00 - 16:30	<b>Utility of the echocardiography during the Transitional period in neonate</b> <i>Yogen Singh</i>
16:30 - 17:00	<b>Advanced evaluation of a hemodynamic significant PDA in neonate</b> <i>Sébastien Joye</i>
17:00 - 17:30	Discussion of interesting cases
17:30 - 17:50	<b>Take home message</b> <i>Yogen Singh</i>
17:50 - 18:00	<b>CLOSING SESSION</b> <b>Take home message for the day</b> <i>Yogen Singh</i>

FRIDAY JANUARY 31, 2020

<b>POINT-OF-CARE ULTRASOUND</b> <i>Moderator: Thomas Conlon</i>	
08:00 - 08:20	<b>Lung ultrasound</b> <i>Thomas Conlon</i>
08:20 - 08:40	<b>Line placement</b> <i>Maky Fraga</i>
08:40 - 09:00	<b>Abdominal ultrasound</b> <i>Thomas Conlon</i>
09:00 - 09:20	<b>Echocardiography for mechanical support</b> <i>Nicole Sekarski</i>
09:20 - 09:50	<b>Discussion of interesting cases</b> <i>Stefano Di Bernardo</i>
09:50 - 10:00	<b>Take home message</b> <i>Stefano Di Bernardo</i>
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<b>MAJOR TOPICS AT THE PICU AND NICU</b> <i>Moderator: Marie Hélène Perez</i>	
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11:50 - 12:10	<b>Discussion of interesting cases</b> <i>Damien Schaffner, Sebastiano Lava</i>
12:10 - 12:20	<b>Take home message</b>
12:20 - 14:00	Lunch
14:00 - 17:00	<b>HANDS-ON SESSION</b> Hands-on in small groups

SATURDAY FEBRUARY 1, 2020

08:30 - 11:30	<b>HANDS-ON SESSION</b> Hands-on in small groups and evaluation
11:30 - 12:00	<b>Take home message and closing remarks</b> <i>Course directors: Sébastien Joye, Nicole Sekarski, Cécile Tissot, Marie Hélène Perez, Yogen Singh</i>