SECOND and FINAL ANNOUNCEMENT
PRELIMINARY PROGRAM
and
Call for Papers

7th MEETING OF THE EUROPEAN SOCIETY OF
NEUROSONOLOGY AND CEREBRAL HEMODYNAMICS

AUDITORIUM "ETTORE ROSSI",
KINDERKLINIK, UNIVERSITY HOSPITAL,
INSELPITAL, CH - 3010 BERN

MAY 26 - 28, 2002

BERN
SWITZERLAND

Congress Website: www.neurosonology2002.ch
"WELCOME TO BERN"

Dear Colleagues and Friends,

We are very pleased, on behalf of the Organizing Committee, to announce that the 7th Annual Meeting of the European Society of Neurosonology and Cerebral Hemodynamics (ESNCH) will be held in Bern, Switzerland, May 26 to 28, 2002.

As has become a tradition, Tutorial Sessions with introductory lectures and practical hands-on will take place on Saturday afternoon and the next morning, before the Scientific Program starts on Sunday afternoon.

Bern is the capital of Switzerland and has recently been chosen as one of the Top International Cities that offer the highest quality of life.
The famous old part of the city, which was founded in the 11th century, is surrounded by the winding bends of the River Aare. A walk along its quiet banks – even in the center of the city – is a very refreshing experience.
The city of Bern, 560 meters above sea level, is also famous for its beautiful and breathtaking views of some of the most impressive mountains of the Swiss Alps, Eiger and Jungfrau, which are accessible within one and a half hours by car. Bern and its beautiful surroundings offer a variety of possibilities for spending an enjoyable vacation. In May there is even the opportunity to go skiing.

The dedication of Bern to Science and Medicine has a long tradition: The famous physician and surgeon Theodor Kocher, winner of the Nobel Prize in 1909, was born and active in Bern. And perhaps the most important scientific contribution of the century: Albert Einstein wrote the Special Theory of Relativity here during the first decade of the 20th century. His modest apartment in the centre of the city is open to visitors.

Our scientific meeting will be held in the comfortable lecture hall of the University Hospital, (Inselspital) which has modern presentation equipment.
The Conference will also celebrate the 20th anniversary of TCD: The first dedicated TCD machine was constructed here at the Inselspital, and the first paper on the clinical applications of TCD was published in 1982.

Since then the technical developments of Ultrasound hardware and software have been enormous, and basic and clinical research activities in many centres all over the world have grown to an excellent quality level. Cerebrovascular Ultrasound has established its place in all domains of Stroke Research: prevention, diagnosis, acute management, treatment, follow-up, and rehabilitation. Scientific papers from 44 nations were presented at the 2001 meeting in Lisbon, illustrating the world-wide interest and dynamic research activity in this field and the high interest and quality of our annual meeting.

We will do our best not only to organize the 2002 ESNCH meeting at the highest scientific level, but also a meeting conducive to make new and to renew old friendships.

Welcome to Switzerland and to the City of Bern in May 2002
Welcome to the 7th Meeting of the ESNCH

Prof. Mathias Sturzenegger  Dr. Marcel Arnold
Congress Chairman  Congress Secretary

Most recent updates see Congress Website: www.neurosonology2002.ch
COMMITTEES

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D. Grosset, UK
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C. Jimenez, Spain
Z. Kalibutowska, Poland
P. Kalvach, Czech Republik
K.-F. Lindegaard, Norway
P. Limoni, Italy

P. Lyrer, Switzerland
H. Mattle, Switzerland
S. Meairs, Germany
G. Meneghetti, Italy
J. Moltó, Spain
M. Moehring, USA
D.W. Newell, USA
S.C. Nicholls, USA
G.A. Ottonello, Italy
K. Paulat, Germany
A. Razumosky, USA
F. Riehs, Germany
S.J. Ryu, Taiwan
PE. Roland, Sweden
T.V. Schroeder, Denmark
M. del Sette, Italy
V.A. Shakhnovich Russia
T. Shiogai, Japan
M. Sloan, USA
M.P. Spencer, USA
R. Stajzel, Switzerland
D.A. Stump, USA
B. Taubner Slovakiak
E. Titianova, Bulgaria
L. Thomassen, Norway
T. Totaro, Italy
P.J. Touboul, France
M. Visocchi, Italy
W. Weiller, Germany
C. Werner, Germany
B. Widder, Germany
B. Zvan, Slovenia

Most recent updates see Congress Website: www.neurosonology2002.ch
<table>
<thead>
<tr>
<th>TIME</th>
<th>SATURDAY 25th May 2002</th>
<th>SUNDAY 26th May 2002</th>
<th>MONDAY 27th May 2002</th>
<th>TUESDAY 28th May 2002</th>
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<td>Session III</td>
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<td>Venue: AZI</td>
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<td>Executive Committee</td>
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<td>Tutorials</td>
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<td>Basic</td>
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<td>Venue: AZI</td>
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<td>Session VII</td>
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<td>Closing Gala Dinner</td>
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GENERAL INFORMATION

IMPORTANT DATES TO REMEMBER

Abstract Submission Deadline: EXTENDED to March 15, 2002
Notification of Acceptance: April 26, 2002
(On the Congress Website!)
Early Registration: before March 15, 2002
Congress Dates: Tutorials May 25 and May 26, 2002
Scientific Sessions May 26 to May 28, 2002
Hotel Reservation Deadline: April 22, 2002

Congress Venue

Tutorials
The Tutorials will take place on Saturday afternoon, 14:00 until 18:00, May 25, 2002, and Sunday morning, 08:00 until 12:00, May 26, 2002, in:

Ausbildungszentrum of the Inselspital (AZI) (See: Maps of Inselspital Area and City Access)
Address: Murtenstrasse 10, Eingang 75, CH-3010 BERN
Phone (during the Tutorials): +41 31 632 82 48

The AZI is a separate building not far from the main Hospital building ("Bettenhochhaus") and from the Children's Hospital building ("Kinderklinik").

Scientific Sessions
The Sessions of the Scientific Program will all be held in:

Auditorium "Ettore Rossi", the main lecture hall of the Children's Hospital ("Kinderklinik") of the University Hospital (See: Maps of Bern City, Inselspital Area; and Plan of Conference rooms).
Address: Freiburgstrasse CH-3010 BERN
Phone (during the Conference): +41 31 632 95 55
FAX (during the Conference): +41 31 632 96 00

Registration

Please use the Registration Form, which is included in this announcement. This form can also be down-loaded from the Congress Website. You can also send this form by Fax to the Congress Secretariat. On-site registration is possible only in special circumstances.

The Registration Desk during the Tutorials will be located in the main entrance hall of the Educational Centre and will be open:
Saturday, May 25 12:00 - 15:00
Sunday, May 26 08:30 - 09:30

The Registration Desk during the Scientific Sessions will be located in the Foyer of the Auditorium "Ettore Rossi" and will be open:
Sunday, May 26 10:30 - 18:00
Monday, May 27 07:30 - 14:00
Tuesday, May 28 07:30 - 11:30

Most recent updates see Congress Website: www.neurosonology2002.ch
Confirmation of Registration
Will only be sent to those who have forwarded their payment and registration form to the Congress Secretariat (see below).

Registration and Fees

The Congress Fee:
CHF 320.- with registration before March 15, 2002
CHF 350.- with registration after March 15, 2002
CHF 400.- for on-site registration (only in special circumstances, must be paid in cash!)
The services included are admission to the Scientific Sessions, admission to the Poster Sessions, congress documents, coffee breaks and lunches, free access to the Get Together Party and the Official Reception.
Only registration for the whole Congress is possible.
Fee deduction of CHF 30.- for participants to the 11th ESC Conference 2002 in Geneva. Reimbursed on-site at the registration desk upon proof of payment.

Fees for the Tutorials:
CHF 90.- with registration before March 15, 2002
CHF 120.- with registration after March 15, 2002
for each of the two tutorials (Basic Tutorial on Saturday, May 25; Advanced Tutorial on Sunday, May 26)
CHF 150.- for on-site registration (only in special circumstances and only if places are available - no guarantee!)

Fees for Social Events
The Get Together Party and the Official Reception are free of charge for those registered for the Congress.
To estimate the number of participants for each event we request you to tick the appropriate boxes on the Registration Form.
For the Closing Gala Dinner there is an extra charge of CHF 85.-. Alcoholic beverages will be extra. This price will not cover the real costs and the Gala Dinner will therefore be supported by the Meeting.

Payments
All payments must be in Swiss Francs (CHF) and must be submitted with the registration form. Participants may use credit cards: Visa, MasterCard/Eurocard only are accepted. Details are given on the Registration Form.

Cancellation Policy
In case of cancellation, the fees, less 25% administrative charge will be refunded provided the cancellation is made in writing before April 22, 2002. Afterwards no refunds will be made.

Badges
Name badges must be worn at any time during the Tutorials and the Scientific Sessions for approval of admission.

Certificate of Attendance
A certificate of attendance will be included in the documents for each Tutorial as well as for the Scientific Sessions.

Most recent updates see Congress Website: www.neurosonology2002.ch
Congress Documents
The congress documents (Congress Bag with Final Program, Abstract Book, Badge, Vouchers for Closing Dinner, Certificate(s) of Attendance) must be picked up at the Registration Desk at the locations and opening hours listed above.

Congress Secretariat
Frau Tamara Roten
Janssen-Cilag AG
Sihlbruggstrasse 111
CH-6341 Baar
Switzerland
Phone: +41 41 767 34 49
FAX: +41 41 767 34 00
e-mail: troten@jacch.jnj.com

During the Congress
Kinderklinik Inselspital
Phone: +41 31 632 95 55
FAX: +41 31 632 96 00

Congress Website: www.neurosonology2002.ch

Scientific Secretariat
Prof. Dr. med. Mathias Sturzenegger
Neurologische Universitätsklinik
Inselspital
CH-3010 Bern
Switzerland
e-mail: neurosonology2002@insel.ch

Language
English is the official Congress language.

Coffee Breaks and Lunches
Coffee and lunches are included in the Registration Fee and will be served during the breaks in the Exhibition Area outside the main lecture hall (Auditorium "Ettore Rossi"): Foyer and Course Room 1 (see "Plan of the Conference Rooms").

Messages
Participants can use the message board situated at the Registration Desk in the Exhibition area (Foyer).

Technical and Commercial Exhibition
A Technical and Pharmaceutical Exhibition will be arranged at the Congress venue and last for the duration of the Congress. It will be open to manufacturers of Ultrasound and Cerebral Hemodynamic assessment equipment, pharmaceutical and software companies, as well as scientific

⇒ Most recent updates see Congress Website: www.neurosonology2002.ch
publishers. Companies who wish to participate in the exhibition should contact the Scientific Secretariat (see above) as early as possible.

The Pharmaceutical Exhibition will be in the Foyer of the main lecture hall. The Exhibition of the Ultrasound Systems will be held in the Course Room 1, next to the Foyer (see Maps). Lunches and coffee will be served in the exhibition rooms during the breaks. Participants will find a complete and updated presentation of current technical equipment. Ultrasound systems incorporating the most advanced technologies for imaging and functional hemodynamic evaluations will be presented.

Travel and Accommodation
By airplane: There are direct railway connections from Zürich and Geneva airports. Certain European cities have also direct connections to Bern-Belp airport. (See Congress Website).
By train: The international railway system provides excellent connections between Bern and the majority of European cities (See Congress Website).
By car: Bern is connected to the Swiss and European motorway systems. (See Congress Website and "Map of City access").
In Bern: Bern has an excellent public tram and bus transportation system. (See Congress Website).

Hotel Reservation
The organization has pre-booked 300 beds in hotels in Bern for the participants of the Congress which can be accessed by using the official Hotel Reservation Form of the Congress. See accompanying Hotel Reservation Form.
See also Congress Website where you can download the Hotel Reservation Form.
By using the official Hotel Reservation Form of the Congress you will get specially reduced prices.
Hotel reservation deadline: April 22, 2002

Climate and Dress
May temperatures in Bern can be very variable between 10°C and 18°C. Nights may still be quite cold, around 6°C to 10°C. So take a pullover and a raincoat with you but also sun cream if you are a little optimistic.

Currency
The Swiss currency is the Swiss Franc (CHF). At the time of printing 1 EURO = 1.47 CHF.

Local transports
Bus Nr 11 runs from the main railway station (which is very close to the centre of the town) to the Inselspital. The trip takes about 10 minutes. You can purchase a visitors transportation access card at Bern Tourism, represented at the Congress Venue (near the registration desk). This card allows unlimited bus rides within Bern City during the duration of the Congress.

Parking
There is limited parking space available at Inselspital Underground Parking (below the Educational Centre - see Maps). However, parking there is quite expensive.

Pre- and Post-congress Arrangements
Further information on Bern and the surrounding area can be found at:
- The official website of the city of Bern www.bernetourism.ch
- Tourist Office of Bern Phone: +41 31 328 11 12
- Tourist Information of the Berner Oberland www.berneroberland.ch

Most recent updates see Congress Website: www.neurosonology2002.ch
CALL FOR PAPERS / ABSTRACTS AND ABSTRACT SUBMISSION

Scientific papers on all aspects of Neurosonology and Cerebral Hemodynamics (see: Scientific Session Program with Topics) are invited for oral or poster presentations. Only original material will be considered. All abstracts, manuscripts and presentations must be written in English.

Authors should submit abstracts to the Congress Secretariat as early as possible but not later than March 15, 2002. Please submit electronically (e-mail attachment), or when submitting by mail, please enclose a floppy disk with a copy of the abstract(s).

Details regarding the guidelines for abstract preparations can be found on the Congress Website and on the included Abstract Submission Form. All abstracts submitted are given a blinded review by the Scientific Program Committee and will, after acceptance, be assigned to either oral or poster presentation. Abstracts selected for presentation will be accepted on the understanding that the material has not been published or presented previously at any international congress in Europe.

Abstract forms (in MS Word format) can be downloaded from our Website. Notification of abstract acceptance will be posted on the Congress Website by the end of April.

All abstracts accepted will be published in a Supplement of Cerebrovascular Disease.

PRESENTATIONS

Scientific Sessions - Oral Presentations

Oral presentations for the different scientific sessions are selected by the Abstract Reviewing Committee. The selected authors will be informed at latest on April 26, 2002. Oral presentations must be made in English. The visual part of the presentations will be projected via a beamer from a central computer in the lecture hall. The authors therefore have to hand in a CD, Zip Disk or 3.5' Floppy Disk with their presentation (in Power Point format) at least 4 hours before their session is scheduled and the day before for the morning sessions. Conventional slides are possible but should be the exception. Each author has 8 minutes for presentation, followed by 2 minutes of discussion.

Poster Sessions - (Short) Poster Presentation

Posters will be displayed in the poster rooms close to the Foyer (Exhibition Area) in front of the main lecture hall (Auditorium "Ettore Rossi" - see Maps). Posters must be in the portrait format (maximum height 120 cm; maximum width 90 cm). They should be mounted on the assigned board on the day of presentation. Posters must be mounted in the morning before 10:00 and must be taken down in the evening before 18:00. There are two Poster Viewing Sessions (see PROGRAM-at-a-GLANCE). The Posters are visited by guided tours with two chairpersons. The authors will be given three minutes to present their poster. There will then be two minutes for discussion. There will be parallel-guided tours if there is a large number of posters. A committee will assess the poster presentations.

AWARDS

Awards will be given for the best two Poster Presentations.

Most recent updates see Congress Website: www.neurosonology2002.ch
TUTORIALS

Locations
The tutorials will take place on Saturday, May 25, 2002 afternoon, 14:00 to 18:00 and Sunday, May 26, 2002 morning, 08:00 to 12:00 in the Ausbildungszentrum (Education Center) of the Inselspital (AZI), a separate building not far from the main hospital building ("Bettenhochhaus") and from the near-by Children’s Hospital building ("Kinderspital") (see: "Map of Inselspital area" and the Congress Website).

Separate Registration for each of the two tutorials is necessary (see "Registration" and Registration Form). Each participant will receive a confirmation (Certificate of Attendance) for each Tutorial together with a hand-out.

Workshops/Tutorials Preliminary Program
May 25 and 26, 2002

Time: Saturday afternoon, May 25, 2002 / Sunday morning, May 26, 2002
Place: Schulungsräume & Aula, AZI (Educational center), Inselspital (see: "Map of Inselspital Area")
Course: Two sequential tutorials (Tutorial 1: Basics; Tutorial 2: Advanced)

Tutorial 1: Basics
Total Duration: 4 hours
Saturday afternoon, May 25, 2002, 14:00 - 18:00

Part 1 Theoretical, plenum
Duration: 90 mins

Anatomy and Physiology - Lecturer: H. Keller
Duration: 30 mins

Technical Aspects - Lecturer: R. Aaslid
Duration: 30 mins

Duplex, Colour and Power Mode - Lecturer: R. Baumgartner
Duration: 30 mins

Break 30 minutes

Most recent updates see Congress Website: www.neurosonology2002.ch
Part 2 Practical (hands-on), in groups of 4 to 8 participants  
Duration: 120 mins

Extracranial  
Doppler, B-Mode, Duplex, Colour, Power Doppler of the Carotid and Vertebral arteries  
**Group 1** Normal findings  
**Group 2** Pathology (Atherosclerosis, Stenosis, Stents)  
**Teachers:** H. Keller, B. Weder

Transcranial  
Doppler (TCD), Color (TCCD), Power Doppler of basal intracranial arteries  
**Group 1** Normal findings  
**Group 2** Pathology (Atherosclerosis, Stenosis, ev. Fistula)  
**Teachers:** R. Baumgartner, P. Lyrer

Tutorial 2: Advanced

Total Duration: 4 hours  
Sunday morning, May 26, 2002, 08:00 - 12:00

Part 1 Theoretical, plenum  
Duration: 120 mins

**Arterial Wall Imaging - Lecturer: S. Meairs**  
Duration: 25 mins

**Embolus Detection - Lecturer: M. Siebler**  
Duration: 25 mins

Break 10 minutes

**Cerebrovascular Reactivity - Lecturer: J. Klingelhöfer**  
Duration: 25 mins

**Cerebral Veins and Parenchyma - Lecturer: E. Bartels**  
Duration: 25 mins

Break 10 minutes

Part 2 Practical (hands-on), in groups of 4 to 8 participants  
Duration: 120 mins

**Embolus Detection and Vasoreactivity**  
2 groups  
Duration: 60 mins  
**Teachers:** J. Klingelhöfer, J. Schwarze

**TCCS of Arteries, Veins and Parenchyma**  
2 groups  
Duration: 60 mins  
**Teachers:** E. Bartels, R. Baumgartner

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SCIENTIFIC CONFERENCE

Locations
The Sessions of the Scientific Program will all be held in the Auditorium "Ettore Rossi", the main lecture hall of the Kinderklinik (Children's Hospital) of the University Hospital of Bern (Inselspital - see "Map of Inselspital Area" and "Plan of the Conference Rooms").

Final Program
The Final Program (Pocket Version), an Abstract Book also containing the Final Program, and the Confirmation of Attendance will be handed out at the Registration Desk together with the Congress Bag.
The Final Program will also be posted on the Congress Website as soon as completed.

PRELIMINARY SCIENTIFIC PROGRAM

➤ Ten Platform Sessions each with 2 Keynote Lectures and 10 oral presentations.
➤ Two Poster Presentation Sessions.

Titles and Topics of the ten Platform Scientific Sessions

The sequence of the Sessions is not yet finalized

I: Physiology of Cerebral Hemodynamics
Cerebral circulatory physiology, methods of assessment, parameters to be evaluated, environmental studies, influence of anesthetics and drugs, applications in the ICU, post-traumatic changes, eclampsia, ..

Keynote speakers
Benjamin Levine, Dallas
David Newell, Seattle

II: The Role of Cerebral Vasoreactivity Studies in Clinical Practice?
Physiology of CVR, methods to assess CVR, cerebral autoregulation, clinical value, clinical correlates, prognostic value, therapeutic implications, ..

Keynote speakers
Hugh Markus, London
Rolf R. Diehl, Essen

III: Functional Methods (fTCD vs. fMRI)
Physics and technical aspects, algorithms, visual-, acoustic-, cognitive- and motor evoked flow, comparison of methods and validation, clinical applications, use in rehabilitation, ..

Keynote speakers
Stefan Knecht, Münster
Mauro Silvestrini, Ancona

IV: Ultrasound Contrast Media - Flow, Perfusion and Tissue Imaging
Physics and algorithms, contrast agents, comparison with other methods and validation, new developments, clinical applications, ..

Keynote speakers
Günter Seidel, Lübeck
Stephen Meairs, Mannheim

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VI: Functional Aspects of Arterial Wall Imaging -- IMT and Atherosclerosis
IMT measurement, methodological aspects, 3-D imaging, 4-D imaging, clinical applications, prognostic value, fluid dynamics and wall stress, ...
Keynote speakers
P.-J. Touboul, Paris
Henrik Sillesen, Hellerup, DK

VII: 20 Years of TCD Diagnosis and Monitoring of Cerebral Vasospasm -- History and Future
Indices, clinical relevance, comparison with other methods, hemodynamics, new applications, .. (Invited speakers only)
Keynote speakers
Rune Aaslid, Bern
Karl-Fredrik Lindegaard, Oslo
Albrecht G. Harders, Bochum

VIII: Embolism -- Physics, New Developments and Results
Physics and technical aspects, embolus definition, estimation of content and size, monitoring probes, on-line/off-line monitoring, ambulatory monitoring, clinical applications and relevance, economical aspects, diving, bubble generation dynamics
Keynote speakers
David H. Evans, Leicester
G. P. Anzola, Padova

IX: Acute Stroke
Thrombolysis, use in Stroke Units, decision making, treatment and recovery monitoring, predictive value, ..
Keynote speakers
Michael Daffertshofer, Mannheim
G. Michael von Reutern, Nidda

XI: Cerebral Circulation Monitoring, Procedures and Protocols
Methodological aspects, anesthesiology, diagnostic interventional procedures, therapeutic interventional procedures, carotid endarterectomy, angioplasty, cardiac surgery, other surgical procedures, evoked flow, autonomic function assessment, ..
Keynote speakers
David Russell, Oslo
Robert G. A. Ackerstaff, Nieuwegein

XII: New Developments in Neurosonology
Power mode, cerebral venous applications, new diagnostic procedures, therapeutic applications, long-term assessment in rehabilitation, new hardware and algorithms, experiments on tube models, ..
Keynote speakers
Laszlo Csiba, Debrecen
Jose Manuel Valdueza, Berlin

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SOCIAL EVENTS

For Venues of Social Events, see Maps in this Program, or our Website

Get-together Party

Date/time:  Sunday, May 26, 2002, 20:00  
Place:  Cinématte - restaurant.bar.kino. Wasserwerksgasse  
Fees:  Included in Registration Fee  
Registration:  Please tick the appropriate box on the Registration Form  
Dressing:  Casual

Official Reception

Date/time:  Monday, May 27, 2002, 20:00  
Place:  Berner Rathaus (Old City Hall), Rathausplatz  
Fees:  Included in Registration Fee  
Registration:  Please tick the appropriate box on the Registration Form  
Dress:  Formal

Closing Dinner

Date/time:  Tuesday, May 28, 2002, 20:00  
Place:  Kultur Casino Bern, Casinoplatz  
Fees:  Cocktail & Dinner: CHF 85.- (other beverages extra).  
(This price will not cover the real costs and the Dinner will therefore be supported by the Meeting.)  
Registration:  Strictly necessary  
(see Registration Form)  
Ask at the Registration desk for on site Registration (limited places!)  
Dress:  Formal

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MAPS AND PLANS FOR ORIENTATION

Map of City Access

Map of Bern City

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MAPS AND PLANS FOR ORIENTATION

Map of Inselspital Area

Plan of Conference Rooms

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