About us

Competent and patient-focused
We treat patients with the utmost care based on our outstanding specialist knowledge in the field of neurology. Our work is based on an integral view of patients in all their dimensions, including mental and psychosocial aspects.

Comprehensive & varied
The Department of Neurology specializes in the diagnosis and treatment of patients with disorders of the central and peripheral nervous system, neuromuscular transmission and muscles. The department offers high-quality treatment ranging from basic neurological care to highly specialised medicine.

Integrated care
We provide integrated care by offering comprehensive management from emergency care to rehabilitation for our patients.

Highly specialised
The Department of Neurology is particularly competent in highly specialised medicine at a national and international level
• with its certified Stroke Centre
• with the Centre for Movement Disorders (including deep brain stimulation)
• with the Sleep-Wake-Epilepsy Centre that was renovated and reopened in 2015 (including assessments prior to epilepsy surgery)

Interdisciplinary
The Department of Neurology in Bern is Switzerland’s largest neurology clinic. Its proficiency is enhanced through close cooperation within the University Neuro Centre, which is composed of the Department of Neurology, the Department of Neurosurgery, the Department of Diagnostic and Interventional Neuroradiology, the Department of Neuropaediatrics and the University Psychiatric Services Bern. In addition, the Department of Neurology exchanges information with other Inselspital departments, further clinics in Switzerland and established physicians. It is also one of the three main strategic cornerstones of Inselspital Bern.

Current news
In August 2015, the University Outpatient Neuro Centre (Ambulantes Neurozentrum ANZ) moved to new premises. This means that the specialist disciplines of neurology, neurosurgery, neuroradiology, psychiatry and neuropaediatrics are now located in closer proximity to each other. Experienced neurologist and MS specialist Prof. Andrew Chan took over medical management of the ANZ and the Neurology Polyclinic in February 2016. The ANZ offers patients and referring physicians central access to all neurology disciplines and to a wide range of specialty clinics.
The Inselspital Department of Neurology will be opening a university Neurorehabilitation unit with 20 beds (later increasing to 36 beds) in Spital Riggisberg in September 2016 to supplement the existing services in the Anna-Seiler-Haus on the Inselspital site.

Department Management (last updated: February 2016)

• Prof. Dr. med. Claudio L. Bassetti, Chairman and Head
• Prof. Dr. med. Andrew Chan, Deputy Physician-in-Chief, Head of University Outpatient Neuro Centre and Neurology Polyclinic
• Dr. med. Christa Leutert, Department Manager
• Prof. Dr. med. René Müri, Head of Unit of Cognitive and Restorative Neurology
• Prof. Dr. med. Mathias Sturzenegger, Deputy Chairman of Department and Physician-in-Chief, Head of Inpatient Neurology
• Rosmarie Wyss, Head of Nursing
Our services

Outpatient Neurology
- Poliklinik with various special clinics, now also on Tuesday evening (general neurology, multiple sclerosis, headaches, dizziness, dementia, etc.)
- Emergency appointments and neurology consultations
- Centre for Movement Disorders, including botulinum-toxin
- Sleep-Wake-Epilepsy Centre
- Neuromuscular Centre, including neuromorphology laboratory
- Neurovascular Centre, with Doppler laboratory
- Day clinic for fast-track outpatient neurology infusion therapies (FANI)

Inpatient Neurology
- Acute ward
- Stroke Centre
- Neurology/Neurosurgery Intermediate Care ward (Neuro IMC)

Cognitive and Restorative Neurology (Neurorehabilitation)
- Ward
- Outpatient Clinic with Memory Clinic, Eye Centre, Neuro-vascular Rehabilitation

Teaching and research
- Centre for Experimental Neurology (Zentrum für experimentelle Neurologie, ZEN)
- Neuro Clinical Trial Unit (NCTU)

Organisational chart
Key figures 2014-2015 development: strong growth

In 2015, the Department of Neurology treated more patients. The average length of stay was shorter than in the previous year.

Patients

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2015</th>
<th>Change in %, rounded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of emergency neurology patients</td>
<td>5 018</td>
<td>5 554</td>
<td>+10.7</td>
</tr>
<tr>
<td>Number of initial outpatient appointments</td>
<td>13 195</td>
<td>14 542</td>
<td>+10.2</td>
</tr>
<tr>
<td>Number of discharged inpatients*</td>
<td>1 498</td>
<td>1 890</td>
<td>+26.2</td>
</tr>
<tr>
<td>Number of nursing days</td>
<td>9 033</td>
<td>10 051</td>
<td>+11.3</td>
</tr>
<tr>
<td>Average length of stay in days*</td>
<td>6.0</td>
<td>5.3</td>
<td>-11.7</td>
</tr>
<tr>
<td>Case mix index (CMI)*/**</td>
<td>1.602</td>
<td>1.491</td>
<td>-6.9</td>
</tr>
</tbody>
</table>

Neurorehabilitation

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2015</th>
<th>Change in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of cases</td>
<td>176</td>
<td>202</td>
<td>+14.8</td>
</tr>
<tr>
<td>Number of nursing days</td>
<td>6 489</td>
<td>6 153</td>
<td>-5.2</td>
</tr>
<tr>
<td>Average length of stay in days</td>
<td>36.9</td>
<td>30.5</td>
<td>-17.3</td>
</tr>
</tbody>
</table>

* without Neurorehabilitation
** CMI reflects the degree of severity/complexity of cases

Beds

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute ward (Hirnschlagzentrums)</td>
<td>35*</td>
<td>35</td>
</tr>
<tr>
<td>Stroke Unit</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Neurorehabilitation</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>Insel campus</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Neurorehabilitation Riggisberg**</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>** Total number of beds</td>
<td>67</td>
<td>87</td>
</tr>
</tbody>
</table>

* from April
** from September

Highly specialised medicine

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2015</th>
<th>Change in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of deep brain stimulation operations</td>
<td>52</td>
<td>48</td>
<td>-8</td>
</tr>
<tr>
<td>Number of assessments prior to epilepsy surgery</td>
<td>25</td>
<td>46</td>
<td>+84</td>
</tr>
<tr>
<td>Number of stroke patients (Hirnschlagpatienten)</td>
<td>1 398</td>
<td>1 667</td>
<td>+19.2</td>
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</tbody>
</table>

Highly specialised medicine

Number of patients

<table>
<thead>
<tr>
<th></th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial outpatient appointments</td>
<td>11 147</td>
<td>11 464</td>
<td>12 739</td>
<td>13 195</td>
<td>14 524</td>
</tr>
<tr>
<td>Neurorehabilitation inpatients (right axis)</td>
<td>3 495</td>
<td>4 165</td>
<td>4 871</td>
<td>5 018</td>
<td>5 554</td>
</tr>
<tr>
<td>Emergency patients</td>
<td>1 347</td>
<td>1 413</td>
<td>1 409</td>
<td>1 498</td>
<td>1 890</td>
</tr>
<tr>
<td>Ward inpatients</td>
<td>3 182</td>
<td>3 330</td>
<td>3 518</td>
<td>3 724</td>
<td>4 000</td>
</tr>
</tbody>
</table>

Staff

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2015</th>
<th>Change in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of full-time equivalent positions (FTE) as of 31.12.2015, rounded</td>
<td>238</td>
<td>263</td>
<td>+10.8</td>
</tr>
</tbody>
</table>
Teaching and research

Main research interests: approaches and methods

<table>
<thead>
<tr>
<th>Methods</th>
<th>Responsible Authors</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal system neurophysiology (ZEN)</td>
<td>Professors Adamantidis, Bassetti</td>
<td>Sleep-wake mechanisms/disorders and epilepsy</td>
</tr>
<tr>
<td>Human system neurophysiology (human laboratories)</td>
<td>Professors Bassetti, Chan, Müri, Schindler, Z’Graggen, Rössler, Mathis</td>
<td>Stroke</td>
</tr>
<tr>
<td>Clinical neurology (NCTU)</td>
<td>Professors Arnold, Chan, Fischer, PD Schüpbach</td>
<td>Multiple sclerosis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Movement disorders / Motor disorders</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Neurorehabilitation / Cognitive and behavioural neurology</td>
</tr>
</tbody>
</table>

2015 publications: selection

Long-term outcome after arterial ischemic stroke in children and young adults. Goeggel, SB; Cavelti, A; Arnold, M; Bigi, S; Regenyi, M; Mattle, HP; Gralla, J; Fluss, J; Weber, P; Hackenberg, A; Steinlin, M; Fischer, U (2015) in: Neurology, 84(19), p. 1941-1947.


Stent-retriever thrombectomy after intravenous t-PA vs. t-PA alone in stroke. Saver, JL; Goyal, M; Bonafe, A; Diener, HC; Levy, El; Pereira, VM; Albers, GW; Cognard, C; Cohen, DJ; Hacke, W; Jansen, O; Jovin, TG; Mattle, HP; Nogueira, RG; Siddiqui, AH; Yavagal, DR; Baxter, BW; Devlin, TG; Lopes, DK; Reddy, VK; du Mesnil de, RR; Singer, OC; Jahan, R (2015) in: N Engl J Med, 372(24), p. 2285-2295.

Advanced training

The Department of Neurology offers a high-quality and balanced advanced training programme for established neurologists, GPs and hospital doctors.

Current overview: www.neuro-bern.ch
How to contact us

Contacts for medical referrals
(in writing or on-line wherever possible
www.neuro-bern.ch - except in the case of emergencies)

Emergencies
(including strokes)
Tel. 031 632 17 02
Fax 031 632 42 69
Pager 181 60 09
(Senior Physician on duty)

General enquiries
Department of Neurology
Inselspital, 3010 Bern
Tel. 031 632 70 00
Fax 031 632 03 21
neurologie@insel.ch

Executive Secretary's Office
Tel. 031 632 30 66
Fax 031 632 96 79
neurologie.direktion@insel.ch

Outpatient Neurology
University Outpatient Neuro Centre
Medical Management
Neurology Polyclinic
Inselspital, 3010 Bern
Tel. 031 632 70 00
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neurozentrum@insel.ch

Emergency / Consultation Team
Tel. 031 632 17 02
(Emergency referrals)
Pager 181 6009
(Senior Physician on duty)
Pager 181 6444
(Physician on duty)
Pager 181 5488 (Senior Consultant)
Tel. 031 632 23 36
(Secretary's office)
Fax 031 632 03 71
(Consultation service)
Fax 031 632 42 69
(Emergency service)

Centre for Movement Disorders
Tel. 031 632 93 64
Fax 031 632 12 07
movement.disorders@insel.ch

Sleep-Wake-Epilepsy Centre
Tel. 031 632 30 54
Fax 031 632 94 48
EEG@insel.ch
schlafmedizin@insel.ch

Neuromuscular Centre
Tel. 031 632 30 98
Fax 031 632 30 11
ENMG@insel.ch

Neurovascular Centre (Doppler)
Tel. 031 632 31 56
Fax 031 632 89 60

Inpatient Neurology
Acute ward
Registration for hospitalisation
Tel. 031 632 78 93
Fax 031 632 05 21

Inpatients
Tel. 031 632 05 20
Fax 031 632 05 21
Tel. 031 632 78 32
stroke@insel.ch

Stroke Centre

Day Clinic / Fast-track
Outpatient Neurology
Infusion Therapies (FANI)
Neuro IMC
Tel. 031 632 39 43
Fax 031 632 75 12

Cognitive and Restorative Neurology (Neurorehabilitation)
Outpatient Department
Medical Management of Unit of Cognitive and Restorative Neurology, Anna-Seiler-Haus, Inselspital, 3010 Bern
Tel. 031 632 47 29
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Ward
Tel. 031 632 30 83
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Tel. 031 632 46 09
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