

# SCIENTIFIC PROGRAM

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**THURSDAY, April 8, 2010**

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**17:00 – 19:00** Registration  
Department of Orthopaedic Surgery, UMC Ljubljana

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**18.30 – 20.00** Welcome Reception/  
Department of Orthopaedic Surgery, UMC Ljubljana

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## PROGRAM SPINE SLOVENIA 2010

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### THORACOLUMBAR SPINE

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**FRIDAY, April 9th, 2010**

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**8.20 - 10.30** **1.1 Rigid fixation in degenerative disorders/varia**  
Chairs: Max Aebi, Zvonko Kejla

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8.20 - 8.40 **Welcome remarks**

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8.40 - 8.50 **Petr Vanek (CZECH REPUBLIC)**  
MINIMALLY INVASIVE INSTRUMENTATION OF LUMBAR AND  
THORACOLUMBAR SPINE

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8.50 - 9.00 **Gregor Recnik, Robert Kosak, Rok Vengust (SLOVENIA)**  
RESTORATION OF SAGITTAL BALANCE IN SPONDYLOLISTHESIS WITH TLIF  
USING TRANSPEDICULAR DISTRACTION-COMPRESSION FIXATION TECHNIQUE

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9.00 - 9.10 **Zvonko Kejla, Vide Bilić (CROATIA)**  
ANTERIOR COLUMN RECONSTRUCTION WITH TITANIUM MESH CAGES.

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9.10 - 9.20 **Ufuk Aydinli (TURKEY)**  
PARASPINAL APPROACH FOR STABILIZATION AND FUSION IN  
THORACOLUMBAR PATHOLOGIES

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9.20 - 9.30 **Claudia Druschel, Sören Zeitler, Klaus-Dieter Schaser, Norbert Haas,  
Alexander Disch (GERMANY)**  
CHANGES OF THE ROM AND DYNAMIC SPINE CURVE FOLLOWING MONO-  
OR BISEGMENTAL LUMBAR SPINAL FUSIONS

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9.30 - 9.40 **Nikša Hero, Rene Mihalic, Robert Kramar, Robert J. Cirman, Janez Mohar (SLOVENIA)**  
THE ANALYSIS OF REVISION SPINAL SURGERIES IN ORTHOPAEDIC HOSPITAL VALDOLTRA FROM 2006 TO 2008

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9.40 – 9.50 **Samo K. Fokter, Vilibald Vengust, Andrej Strahovnik (SLOVENIA)**  
RESULTS OF TREATMENT FOR DEGENERATIVE LUMBAR SPINAL STENOSIS WITH DIFFERENT SURGICAL METHODS

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9.50 – 10.00 **Darko Perovic, Zvonko Kejla, Nenad Somun (CROATIA)**  
UNILATERAL APPROACH WITH BILATERAL LAMINOTOMY FOR TREATMENT OF DEGENERATIVE LUMBAR SPINAL STENOSIS

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**30 minutes** **LIVE SURGERY: PERCUTANEOUS STABILIZATION OF LUMBAR SPINE (P. Vanek, CZECH REPUBLIC)**

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10.30 - 10.50 *Coffee break*

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**10.50 – 13.20** **1.2 Surgical treatment of tumours and infections**  
Chairs: **Ufuk Aydinli, Miro Gorenšek**

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10.50 - 11.05 **Claudia Druschel, Alexander Disch, Ingo Melcher, Norbert Haas, Klaus-Dieter Schaser (GERMANY)**  
COMBINED EN BLOC VERTEBRECTOMY- AND CHEST WALL RESECTION FOR PRIMARY TUMORS AND SOLITARY METASTASES OF THE SPINE

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11.05 - 11.15 **Robert Košak, Rok Vengust, Miro Gorenšek, Ludvik Travnik, Matevž Gorenšek**  
SURGERY FOR EXTRADURAL METASTASES OF THORACOLUMBAR SPINE

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11.15 - 11.25 **Tadej Strojnik (SLOVENIA)**  
OUR EXPERIENCE WITH SURGICAL TREATMENT OF INTRADURAL EXTRAMEDULLARY SPINAL LESIONS

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11.25 - 11.35 **Ufuk Aydinli (TURKEY)**  
RADICAL RESECTION AND RECONSTRUCTION OF DOUBLE SIDED ( THORACIC AND SACROILIACREGION) CHONDROSARCOMAS SECONDARY TO OLLIER DISEASE IN ONE PATIENT( NEW SACRO-ISCHIOPUBIC STABILISATION TECHNIQUE)

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11.35 - 11.45 **Janez Ravnik, Said Al Mawed, Miloš Vesel, Janez Mohar (SLOVENIA)**  
POSTEROLATERAL APPROACH TO THE THORACIC SPINE FOR CORPECTOMY AND SPINAL STABILIZATION IN THE SURGICAL MANAGEMENT OF EXTRADURAL TUMORS

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11.45 - 11.55 **Ludvik Travnik, Rok Vengust, Robert Košak, Miro Gorenšek, Matevž Gorenšek**  
OSTEOID OSTEOMA OF THE SPINE TECHNIQUE USING GAMMA PROBE GUIDED HIGH SPEED INTRAESIONAL DRILL EXCISION

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- 11.55 - 12.05 **Rok Vengust, Matevž Gorenšek, Robert Košak, Miro Gorenšek, Ludvik Travnik (SLOVENIA)**  
SURGERY FOR THORACOLUMBAR SPONDYLODISCITIS – POSTERIOR APPROACH WITH STABILIZATION OF ANTERIOR/POSTERIOR COLUMN
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- 12.05 – 12.15 **Robert J. Cirman, Janez Mohar, Niksa Hero, Robert Kramar (SLOVENIA)**  
A REVIEW OF OPERATIVE TREATMENT OF SPONDYLODISCITIS IN ORTHOPAEDIC HOSPITALVALDOLTRA FROM 1990 TO 2009
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- 12.15 - 12.25 **Boštjan Matos, Tatjana Zupanc Lejko, Tilen Zele, Nataša Kos, Borut Prestor (SLOVENIA)**  
DISSEMINATED HYDATIDOSIS WITH RECURRENT SPINAL INVOLVEMENT IN THORACO-LUMBALREGION-CASE REPORT
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- 12.25 - 12.35 **Gorazd Bunc, Janez Ravnik, Tomaž Velnar (SLOVENIA)**  
SPINAL ABSCESS FOLLOWING EPIDURAL CATHETER INSERTION: A CASE REPORT
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- 12.35 - 12.45 **Stanka Lotrič-Furlan, Tatjana Lejko-Zupanc (SLOVENIA)**  
CONTRIBUTION OF SPINAL BIOPSY TO THE DIAGNOSIS OF INFECTIVE SPONDYLODISCITIS
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- 12.45 - 13.00 **Andrej Trampuž (SWITZERLAND)**  
ANTIBIOTIC TREATMENT OF SPONDYLODISCITIS
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**13.00 - 14.30** *Lunch*

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**14.30 - 15.55** **1.3 Motion preservation technology in degenerative disorders**

Chairs: Max Aebi, Antonio Fabrizio

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14.30 - 14.50 **Max Aebi (SWITZERLAND)**  
**MOTION PRESERVATION TECHNOLOGY IN DEGENERATIVE DISORDERS**

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14.50 - 15.05 **Antonio Fabrizio (ITALY)**  
NINE YEARS EXPERINCE WITH DYNAMIC INTERSPINOUS STABILIZATION DIAM IMPLANT AND APERIUS™ PERCUTANEOUS IMPLANT: A SERIES OF 1850 PATIENTS

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15.05 - 15.15 **Vilibald Vengust, Rok Vengust, Samo Fokter (SLOVENIA)**  
TOTAL DISC ENDOPROTHESIS FOR CHRONIC LOW BACK PAIN – A REVIEW OF 52 CASES

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15.15 - 15.25 **Samo Fokter, Vilibald Vengust, Andrej Strahovnik, Igor Vucajnk (SLOVENIA)**  
CAN DYNAMIC STABILISATION PREVENT FURTHER DISC DEGENERATION?

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15.25 - 15.35 **Matjaž Voršič (SLOVENIA)**  
MINIMALLY INVASIVE NONFUSION DYNAMIC FIXATION OF THE  
DEGENERATED LUMBAR SPINE WITH THE COSMIC-MIA SYSTEM

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**20 minutes** **LIVE SURGERY: INTERSPINOUS IMPLANT FOR LUMBAR STENOSIS (A. Fabrizi, ITALY)**

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**LIVE SURGERY: INTERSPINOUS IMPLANT FOR LUMBAR STENOSIS (R. Vengust, SLOVENIA)**

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15.55 - 16.15 *Coffee break*

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16.15 - 17.25 **1.4 Nonsurgical treatment of degenerative disorders and trauma**

Chairs: Helena Burger, Lidija Plaskan

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16.15 - 16.35 **Helena Burger, Josip Horvat, Edvin Dervišević, Vedran Hadžić (SLOVENIA)**  
LSO AND STRENGTH OF TRUNK MUSCLES

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16.35 - 16.45 **Jana Vidmar, Martin Štefančič (SLOVENIA)**  
USAGE OF ACTIVE LUMBAR TRACTION FOR LOW-BACK PAIN

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16.45 - 16.55 **Jopis Horvat, Helena Burger (SLOVENIA)**  
COMPARISON OF TEN LUMBOSACRAL ORTHOSES

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16.55 - 17.05 **Peter Kurila, Lidija Plaskan (SLOVENIA)**  
POSTURAL FUNCTION OF A THORACOLUMBAR DIAPHRAGM

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17.05 - 17.15 **Nejc Šarabon, Polona Palma, Rok Vengust, Vojko Strojnik (SLOVENIA)**  
EFFECTS OF TRUNK FUNCTIONAL STABILITY TRAINING IN SUBJECTS  
SUFFERING FROM CHRONIC LOWER BACK PAIN

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17.15 - 17.25 **Slavica Bajuk, Jana Vidmar, Nada Naglič, Gaj Vidmar (SLOVENIA)**  
EFFECTIVENESS OF BACK SCHOOL EDUCATIONAL PROGRAM

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20.00 *Dinner at Ljubljana Castle*

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## SATURDAY, April 10th, 2010

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### 8.00 - 9.35 **2.1 Surgical treatment of pathologic conditions due to osteoporosis**

Chairs: Max Aebi, Nissim Ohana

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8.00 - 8.20 **Max Aebi (SWITZERLAND)**  
SURGICAL TREATMENT OF PATHOLOGIC CONDITIONS DUE TO OSTEOPOROSIS

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8.20 - 8.35 **Nissim Ohana (ISRAEL)**  
SURGICAL TREATMENT OF OSTEOPOROTIC FRACTURES

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8.35 - 8.45 **David Vozlič, Jurij Janež, Peter Stražar, Rok Vengust (SLOVENIA)**  
EFFECTS OF VERTEBROPLASTY ON ADJACENT INTERVERTEBRAL DISC DEGENERATION

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8.45 - 8.55 **Igor Movrin, Rok Vengust, Radko Komadina (SLOVENIA)**  
ADJACENT VERTEBRAL FRACTURES AFTER PERCUTANEOUS VERTEBRAL AUGMENTATION OF OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURE: A COMPARISON OF BALLOON KYPHOPLASTY AND VERTEBROPLASTY

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8.55 - 9.05 **Andrej Strahovnik, Samo K. Fokter (SLOVENIA)**  
TREATMENT OF OSTEOPOROTIC VERTEBRAL FRACTURES: A COMPARISON BETWEEN KYPHOPLASTY AND CONSERVATIVE MANAGEMENT

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9.05 - 9.15 **Miodrag Vlaovic, Drago Brilej, Radko Komadina (SLOVENIA)**  
CONCOMITANT BALLOON KYPHOPLASTY AND POSTERIOR INSTRUMENTATION IN FRACTURES OF Th/L SINE

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9.15 - 9.25 **Erol Yalniz, Cem Copuroglu, Mert Ciftdemir, Mert Ozcan (TURKEY)**  
PERCUTANEOUS VERTEBROPLASTY USING THE EXTRAPEDICULAR ROUTE

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**10 minutes** **LIVE SURGERY:** AUGMENTATION OF PATHOLOGICALLY FRACTURED VERTEBRAL BODY (R. Vengust, SLOVENIA)

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### 9.35 – 11.00 **2.2 MISS/LISS in degenerative conditions and trauma**

Chairs: William Tobler, Rok Vengust

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9.35 - 9.50 **William Tobler (UNITED STATES)**  
AxiaLIF CLINICAL SERIES: REPORT OF 275 CASES

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9.50 - 10.00 **Rok Vengust, Matevž Gorenšek, David Vozlič (SLOVENIA)**  
INTERBODY FUSION AFTER AxiaLIF – PRELIMINARY RESULTS

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10.00 - 10.10 **Samo K. Fokter (SLOVENIA)**  
CHRONIC LOW BACK PAIN TREATED BY AXIALIF – A CASE REPORT

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10.10 - 10.20 **Gorazd Bunc, Janez Ravnik, Matjaz Voršič, Tomaž Velnar (SLOVENIA)**  
TREATMENT OF LUMBAR STENOSIS USING A CLASSICAL APPROACH: OUR EXPERIENCE

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**20 minutes** **LIVE SURGERY: TRANSSACRAL STABILIZATION OF LUMBAR SPINE (W. Tobler, USA)**

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10.40 - 11.10 *Coffee break with snack*

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11.10 - 12.35 **2.3 Surgical treatment in trauma and posttraumatic disorders**

Chairs: Zdeslav Milinkovič, Ufuk Aydinli

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11.10 - 11.25 **Zdeslav Milinković, S. Milickovic, V. Basara, O. Krneta, V. Lalosevic, D. Dozic, B. Jesić, Z. Poleksic, A. Curcic (SERBIA)**  
SHORT – SEGMENT FIXATION WITH PEDICLE SCREWS IN FRACTURE SITE WITHOUT FUSION FOR THORACOLUMBAR FRACTURES

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11.25 - 11.35 **Ufuk Aydinli (TURKEY)**  
LONG TERM OUTCOMES OF SURGICAL TREATMENT OF THORACOLUMBAR SPINAL FRACTURES WITHOUT NEUROLOGIC DEFICIT

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11.35 - 11.45 **Erol Yalniz, Mert Ozcan, Cem Copuroglu, Mert Ciftdemir (TURKEY)**  
FIFTEEN YEARS OF EXPERIENCE WITH THORACOLUMBAR FRACTURES

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11.45 - 11.55 **Nenad Vukčević, Oleg Laković (MONTENEGRO)**  
OUR EXPERIENCE IN STABILISATION OF THORACOLUMBAR SPINE

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11.55 - 12.05 **Said Al Mawed, Miloš Vesel, Marko Dobravec, Marko Jug (SLOVENIA)**  
RECONSTRUCTION OF ANTERIOR COLUMN IN THORACOLUMBAR FRACTURES

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12.05 - 12.15 **Said Al Mawed (SLOVENIA)**  
NEUROLOGIC DETERIORATION AFTER SPINAL INSTRUMENTATION

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12.15 - 12.25 **Jaka Košar, Aleksander Frank, Alojz Krajnc, Igor Movrin (SLOVENIA)**  
ANTERIOR STABILISATION OF THORACOLUMBAR INJURIES USING MINIMALLY INVASIVE SURGICAL TECHNIQUE

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12.25 - 12.35 **Vladimir Strezoski, T. Petrovski, T. Vraniskoski, A. Veleski, A. Veslieski, H. Sokarovski, P. Ivanoski, J. Saveski (REPUBLIC OF MACEDONIA)**  
FRACTURES OF LUMBAR SPINES SEGMENT, TREATMENT AND COMPLICATIONS (CASE REPORT)

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<b>12.35 - 13.45</b>	<b>2.4 Basic science in degenerative disc disease</b> Chairs: Nevenka Kregar, Matevž Goreňšek
12.35 - 12.50	<b>Nevenka Kregar (SLOVENIA)</b> CELL THERAPY OF IVD: REPAIR OR REGENERATION
12.50 - 13.00	<b>Mirjam Fröhlich, Nevenka Kregar (SLOVENIA)</b> STEM CELL THERAPY FOR INTERVERTEBRAL DISC REPAIR: THE IMPORTANCE OF OSMOLARITY AND OXYGEN CONCENTRATION
13.00 - 13.10	<b>Matevž Goreňšek, Rok Vengust, Robert Kosak, Ludvik Travnik, Miro Goreňšek (SLOVENIA)</b> TRANSPLANTATION OF CHONDROCYTES DERIVED FROM ELASTIC CARTILAGE INTO THE SITE OF PREVIOUSLY EVACUATED NUCLEUS PULPOSUS
13.10 - 13.20	<b>Tadej Strojnik, Rajko Kavalar (SLOVENIA)</b> IMMUNOHISTOLOGICAL FINDINGS IN HERNIATED DISCS
13.20 - 13.30	<b>Tomaž Vrtovec, Rok Vengust, Boštjan Likar, Franjo Pernuš (SLOVENIA)</b> SYMMETRY OF VERTEBRAL STRUCTURES: CAN IT BE USED TO MEASURE AXIAL VERTEBRAL ROTATION?
<b>13.30 - 13.45</b>	<i>Closing remarks</i>
<b>13.45 - 15.00</b>	<i>Lunch</i>
<b>15.00</b>	<i>Adjurn</i>

