



## Social Events

Tuesday, December 27, 2005  
20:00 GALA DINNER

Post-Conference Tours  
(foreign guests only)

Thursday 29.12.2005  
Visit to Jerusalem

Friday 30.12.2005  
Visit to Nazareth and Tiberias

Saturday 31.12.2005  
Old Acre

Saturday 31.12.2005  
Haifa - New Year's Celebration

## Organizing Committee

Steering Committee

M. Soudry M.D., V. Shevtsov M.D.,  
A. Lerner M.D., M. Revach M.D.,  
I. Perlman M.D., Z. Horesh M.D.

Coordinator

Mrs. I. Bergman

Public Relations

Mrs. N. Naeh

Secretaries

Mrs. S. Moshe

Mrs. H. Rosenfeld

## General Information

### Location

RAMBAM HEALTH CARE CAMPUS  
Spencer Auditorium and Lecture Hall 1

### Official language

The official language of the Conference is English. No translation will be provided.

### Refreshments during Conference

Coffee breaks and lunch will be held near the Lecture Hall.

### Hotel reservations

You are encouraged to make your hotel reservations as early as possible.

**Dan Gardens** Single - \$53, Double - \$63

**Dan Panorama** Single - \$85, Double - \$105

### Registration & Hotel reservations

Mail completed registration form to:

Dr. Alexander Lerner

Division of Orthopaedic Surgery A

Rambam Health Care Campus, POB 9106, Haifa,  
Israel 31096

Fax (24 hours a day): 972-4-8542022

E-mail: [congress@rambam.health.gov.il](mailto:congress@rambam.health.gov.il)

### Oral Presentations

- Each accepted oral presentation is limited to 10 minutes  
(7 minutes of presentation + 3 minutes for questions)
- Invited and Guest Lectures – 30 minutes
- Only CD-ROM or USB portable drives will be accepted
- Slides are not acceptable

### Climate and Clothing

It is winter in Israel in December. While night time temperatures can be as low as 10°C, day times can be sunny or rainy. It is therefore advisable to bring a jacket, raincoat, and umbrella. Dress will be informal throughout the conference.

### Electricity

Israel uses a 220 volt 50 Hz system; sockets are of European standard and plugs are three-prong grounded.



# Advances in Traumatology & Reconstructive Orthopaedics

December 27-28, 2005

Rambam Health Care Campus, Haifa, Israel

*Under the auspices of:*

*Rambam Health Care Campus*

*The Bruce Rappaport Faculty of Medicine*

*Technion – Israel Institute of Technology*

*Haifa Municipality*

*Israel Ministry of Tourism*

*Israel Orthopaedic Association*

*ASAMI Israel*



### **President & Chairman**

**Prof. Michael Soudry M.D.** (Israel)

*Chairman, Division of Orthopaedics and Department of Orthopaedics A, Rambam Health Care Campus, Haifa, Israel*

### **Co-Chairmen**

**Prof. Vladimir Shevtsov M.D.** (Russia)

*General Director, Russian Ilizarov Scientific Center "Restorative Traumatology and Orthopaedics", Kurgan, Russia*

**Dr. Alexander Lerner M.D.** (Israel)

*Senior Orthopaedic Surgeon, Department of Orthopaedics A, Rambam Health Care Campus, Haifa, Israel*

## **International Faculty**

**Prof. V. Shevtsov** - Kurgan, Russia

*General Director, Russian Ilizarov Scientific Center Restorative Traumatology and Orthopaedics", Kurgan, Russia*

**Prof. G. Kotelnikov** - Samara, Russia

*Rector, Samara State Medical University, Samara, Russia*

**Prof. M. Catagni** - Lecco, Italy

*Milano University Medical School*

*President, ASAMI Italy*

*Chief, Orthopaedic Department and Ilizarov Unit, Lecco Hospital*

**Prof. M. Kocaoglu** - Istanbul, Turkey

*Orthopaedics and Traumatology Department Medical School*

**Prof. D. Paley** – Baltimore, USA

*Director, Rubin Institute for Advanced Orthopedics*

*Co-Director, International Center for Limb Lengthening*

Tuesday, December 27, 2005

- 08:00-08:30 **Registration**
- 08:30-09:00 **Opening Remarks**  
**M. Soudry**, Conference President  
**Z. Ben-Ishai**, Deputy Director, Rambam Health Care Campus  
**I. Perlman**, Dean, Faculty of Medicine, Technion  
**Y. Yahav**, Mayor of Haifa  
**M. Revach**, Chairman, Israel National Trauma Council
- 09:00-10:20 **Opening Lectures**  
**Moderator: D. Mendes** (Israel)  
**M. Soudry** (Israel) - Rambam: The Man, The Legacy  
**V. Shevtsov** (Russia) - New methods and technologies in orthopaedics based on transosseous osteosynthesis  
**A. Lerner** (Israel) - Acute shortening and angulation: Modular treatment modality for severe bone and soft tissue loss
- 10:20-10:50 Coffee Break
- 10:50-11:50 **TRAUMA AND LIMB SALVAGE (SESSION 1)**  
**Moderators: V. Shevtsov** (Russia), **B. Kaufman** (Israel), **P. Ivanov** (Russia)  
**M. Michaelson** (Israel) - The role of the orthopaedic surgeon in the Rambam trauma system  
**S. Shved** (Russia) - General principles of long bone fracture management by transosseous osteosynthesis  
**A. Pronchenko** (Russia) - Surgical tactics of long bone fractures with simultaneous extremity main artery injuries  
**Z. Horesh** (Israel) - Treatment of bone loss by bone transport  
**A. Artemiev, P. Ivanov, N. Varenik** (Russia) - Choice of bone reconstruction method in treatment of patients with tibial defects
- 11:50-12:20 **PLENARY LECTURE**  
**Moderator: N.D. Reis** (Israel)  
**D. Paley** (USA) - Ankle and ankle arthrodesis deformities
- 12:20-13:00 **FOOT AND ANKLE (SESSION 2)**  
**Moderators: M. Nyska** (Israel), **O. Beydik** (Russia), **D. Paley** (USA)  
**J. Odesski, M. Loebenberg, N. Halperin** (Israel) - Treatment of pilon fractures with external fixation  
**S. Porat** (Israel) - Treatment of complex foot deformities by the Ilizarov method  
**O. Beydik, K. Levchenko, T. Antonova, D. Mandrov, L. Sarkisyan** (Russia) - Treatment of foot deformities by external fixation  
**A. Lieberson** (Israel) - Treatment of calcaneal fractures by external fixation
- 13:00-14:00 Lunch

# SCIENTIFIC PROGRAM

- 14:00-14:30 **PLENARY LECTURE**  
**Moderator: S. Weintraub (Israel)**  
**G. Kotelnikov, A. Sonis, A. Shishkina (Russia)** - Gravitation therapy in orthopaedics and traumatology
- 14:30-15:30 **BASIC SCIENCE (SESSION 3)**  
**Moderators: A. Yashkov (Russia), G. Volpin (Israel), V. Golubev (Russia)**  
**J. Itskovitz (Israel)** - Stem cells: Musculoskeletal application and perspective  
**E. Livne (Israel)** - Bone marrow stem cells and biological scaffold for bone repair in aging and disease  
**L. Solomin, M. Andrianov, D. Mykalo, V. Nazarov (Russia)** - Investigation of functional qualities of devices for combined (hybrid) external fixation of long bones  
**A. Yashkov, E. Tarasova, Y. Petinov (Russia)** - Neuroimpulse therapy with "Vitaskan" device for rheumatoid arthritis patients  
**N. Rozen (Israel)** - Enhancement of fracture healing by factors that accelerate bone turnover
- 15:30-16:00 Coffee Break
- 16:00-18:00 **CONGENITAL AND ACQUIRED LIMB DEFORMITIES (SESSION 4)**  
**Moderators: M. Kocaoglu (Turkey), A. Artemiev (Russia), D. Atar (Israel)**  
**M. Kocaoglu (Turkey)** - Treatment of humeral non-unions with circular and unilateral external fixators  
**J. Odesski (Israel)** - Hexapod frame in treatment of limb deformities.  
**A. Artemiev, P. Ivanov, V. Popov (Russia)** - Features of correction of post-traumatic leg deformities  
**R. Dakwar (Israel)** - Work classification of non-unions  
**H. Stein (Israel)** - Update on fracture repair  
**O. Beydik, K. Levchenko, Y. Midaev, H. KarnaeV, S. Hazim, W. Kwai (Russia)** - Rods and pin-rods external fixation apparatus in the treatment of extremity segment deformities  
**M. Berenstein (Israel)** - Lengthening over the nail  
**A. Slobodskoy, V. Goriachev, A. Frolenkov, I. Badak (Russia)** - All-out arthroplastic hip joint endoprosthesis "ESI"  
**M. Karasik (Israel)** - IMN-based corrective osteotomies of the femur
- 16:00-18:00 **Lecture Hall 1**  
**UPPER LIMBS SURGERY (SESSION 5)**  
**Moderators: S. Stahl (Israel), A. Bogov (Russia), M. Boico (Israel)**  
**A. Bogov, R. Mullin, R. Mubarakov (Russia)** - Indications for applying axial-pattern flap in isolated injury of long fingers of hand  
**M. Rinott, N. Bor (Israel)** - Congenital proximal radio-ulnar synostosis treated by Ilizarov method  
**A. Bogov, R. Mullin, R. Mubarakov, I. Hannanova (Russia)** - Skin grafting with axial-pattern flaps for treating complex hand injuries  
**G. Bayimbetov, I. Khodjanov (Uzbekistan)** - Value of distraction osteosynthesis

in distal forearm fractures

**S. Asilova, N. Nazarova** (Uzbekistan) - Operative treatment of patients with post-traumatic contractions in capital joints

**M. Boico, E. Calif, S. Stahl** (Israel) - Combined snapping of medial tear of triceps and ulnar nerve

#### UPPER LIMBS SURGERY (SESSION 6)

**Moderators: A. Koryukov** (Russia), **U. Dreyfus** (Israel), **N. Nazarova** (Uzbekistan)

**S. Asilova, N. Nazarova** (Uzbekistan) - Reconstruction-rehabilitation surgery on hand and fingers losing function

**N. Nazarova** (Uzbekistan) - Recreation of first finger of hand

**A. Koryukov** (Russia) - Congenital anomalies and acquired amputation stumps of children, from birth until end of growth

**A. Koryukov** (Russia) - The Ilizarov method and modification in pediatric surgery of the hand

**E. Calif, S. Stahl** (Israel) - Clinical evaluation of the S-mart device for blood flow management in upper limb injury

## Wednesday, December 28, 2005

08:00-08:50 **TRAUMA AND LIMB SALVAGE (SESSION 7)**

**Moderators: N. Nelin** (Russia), **A. Lev-El** (Israel)

**V. Kalugin, V. Klochkov** (Belarus) – Application of external fixation devices in treatment of multiple injuries

**S. Shved** (Russia) - External fixation in polytrauma

**C. Zinman** (Israel) - Damage control in orthopaedics

**M. Catagni** (Italy) - Fibular transport for severe bone loss

**N. Nelin** (Russia) - Treatment of gunshot wounds to limbs

08:50-09:40 **TRAUMA AND LIMB SALVAGE (SESSION 8)**

**Moderators: V. Kalugin** (Belarus), **S. Shved** (Russia), **M. Roffman** (Israel)

**V. Kalugin, V. Klochkov** (Belarus) – Application of external fixation devices in treatment of multiple injuries

**V. Golubev** (Russia) – Modern approach to surgical reconstruction of limbs after severe trauma

**M. Bernstein** (Israel) - Treatment of elbow fractures in external fixation frames

**N. Nastov, S. Vuckov, K. Mitev** (Macedonia) - Minimally invasive percutaneous plate osteosynthesis (MIPPO) of distal tibial fractures: Trend or justified optimism

**Y. Gotfried** (Israel) – PCCP treatment rationale

09:40-10:10 **PLENARY LECTURE**

**Moderator: V. Bialik** (Israel), **M. Catagni** (Italy) – Pelvic support osteotomy

10:10-10:40 Coffee Break

10:40–11:10 **PLENARY LECTURE**

**Moderator: H. Stein** (Israel), **M. Kocaoglu** (Turkey) - Combined approach for lengthening deformity correction segment transport

- 11:10-12:00 **TRAUMA AND LIMB SALVAGE (SESSION 9)**  
**Moderators:** R. Mosheiff (Israel), V. Shatohkin (Russia), N. Ron (Israel)  
V. Shevtsov, V. Shatohkin (Russia) - Use of regenerative and plastic properties of bone tissues in reconstructive and vascular surgery  
R. Mosheiff (Israel) - Computer-assisted surgery in trauma  
A. Slobodskoy, E. Osintsev, A. Popov, V. Kirsanov (Russia) - Digital planning of extrafocal osteosynthesis of long bone fractures  
D. Norman (Israel) - Trauma cad: Preoperative planning software
- 12:00-13:00 **TRAUMA AND LIMB SALVAGE (SESSION 10)**  
**Moderators:** A. Chelnokov (Russia), S. Vuckov (Macedonia), I. Jackim (Israel)  
S. Shved (Russia) - Peculiarities of external fixation in treatment of open fractures  
A. Chelnokov, A. Vinogradsky (Russia) - Efficacy and safety of secondary closed nailing after external fixation  
K. Mitev, S. Vuckov, N. Nastov (Macedonia) - Minimally invasive plate fixation in subtrochanteric femoral fractures  
L. Solomin (Russia), D. Kuldjanov (USA), A. Lerner (Israel) - Unified designation of external fixation
- 13:00-14:00 Lunch
- 14:00-15:00 **INNOVATIVE METHODS IN ORTHOPAEDICS AND TRAUMATOLOGY (SESSION 11)**  
**Moderators:** M. Catagni (Italy), I. Sholomov (Russia), A. Hanani (Israel)  
O. Beydik, I. Sholomov, K. Levchenko, S. Kireev, E. Sholomova (Russia) - Complex treatment of neurological disorders of upper extremity injuries using rods external fixation apparatus  
M. Peled (Israel) - Treatment of high-velocity GSW to the face  
A. Kozelj (Russia) - New technologies in laser surgery and neurosurgery  
I. Sholomov, O. Beydik, S. Stepuhovich (Russia) - New approaches to complex conservative treatment of degenerative-dystrophic processes of the spinal column  
V. Shanin, A. Korovin, I. Ritov (Russia) - Systemic reactions of victims after mild mechanical trauma of upper extremities
- 15:00-16:00 **INNOVATIVE METHODS IN ORTHOPAEDICS AND TRAUMATOLOGY (SESSION 12)**  
**Moderators:** V. Shatohkin (Russia), K. Levchenko (Russia), R. Sevi (Israel)  
M.I. Milshtein, S. Antipov, E. Podkorytov, V. Pankin, L. Bareeva (Russia) - Information structure of medico-statistical data for analysis and forecast of results of treatment of orthopaedic and traumatologic patients  
A. Rahmiel (Israel) - Maxilla and mandible distraction in experimental and clinical practice  
A. Chelnokov (Russia) - Open source web-based solutions in orthopaedic surgery  
S. Rochkind (Israel) - Microsurgical management of 140 gunshot and stab peripheral nerve injuries: Clinical and electrophysiological analysis and results  
A. Bogov, I. Khannonanova, T. Tikhvinskaya (Russia) - Results of application of nerve neurotizers for restoration of function of shoulder biceps in shoulder plexus trauma



14:00-15:00

### Lecture Hall 1

#### PEDIATRIC ORTHOPAEDICS AND TRAUMATOLOGY (SESSION 13)

**Moderators:** E. Segev (Israel), A. Aranovich (Russia), S. Velkes (Israel)  
M. Eidelman, V. Bialik, A. Katzman (Israel) – Correction of deformities in children using the Taylor spatial frame  
A. Yashkov, A. Kantsepolkiy (Russia) – Using massage in pediatric scoliosis treatment of 1-2 stages  
E. Segev (Israel) – Distraction methods of treatment of hip pathology in children  
V. Shevtsov, A. Aranovich (Russia) – Rehabilitation of patients with ectromelia of tibia and fibula  
H. Shtarker (Israel) – Malrotation deformities of lower limbs in children

15:00-16:00

### Lecture Hall 1

#### PEDIATRIC ORTHOPAEDICS AND TRAUMATOLOGY (SESSION 14)

**Moderators:** A. Koltsov (Russia), B. Angel (Israel), J. Hakim (Israel)  
N. Bor (Israel) – Extra-articular reconstruction of the hip  
I. Shvedovchenko, A. Koryukov, A. Koltsov (Russia) – Rehabilitation of children with several uncommon anomalies of the extremities  
S. Porat (Israel) – Bifocal treatment of severe knee and ankle valgus deformities by the Ilizarov method  
G. Bayimbetov, I. Khodjanov (Uzbekistan) - Treatment of distal forearm fractures in children with distraction osteosynthesis  
I. Shvedovchenko, A. Koryukov, A. Koltsov (Russia) – Case presentation

16:00–16:30

Coffee break

16:30-17:30

### Spencer Auditorium

#### BIOMECHANICS AND FRAME APPLICATION (SESSION 15)

**Moderators:** L. Solomin (Russia), N. Wolfson (USA), E. Beloenko (Belarus)  
L. Solomin (Russia) - Modern hybrid (combined) external fixation: Requirements for optimal application  
N. Wolfson (USA) – It's all about the angle: The effect of half-pin tilt on bone fragment stability in circular external fixation  
N. Rosenberg (Israel) – Mechanical stimulation of osteoblastic metabolism  
E. Beloenko, G. Uriev, A. Sitnik, S. Kazaev (Belarus) - High-fractional auto-distraction in limb lengthening  
L. Solomin, R. Inyushin, P. Kulesh (Russia) - Results of development of biomechanical devices for upper limb combined external fixation

17:30

### Spencer Auditorium

#### CLOSING REMARKS

M. Soudry (Israel), V. Shevtsov (Russia), A. Lerner (Israel)