

Department of Orthopedic Surgery and Traumatology Beilinson Campus

Head - M. Salai, M.D.
Associate Professor

Staff:

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| A. Greental, M.D., | Deputy Head, Joint Replacement Unit | - Instructor |
| S. Velkes, M.D., | Deputy Head, Joint Surgery Unit | - Instructor |
| E. Bar-On, M.D., | Head, Pediatric Orthopedics Unit | - Lecturer |
| N. Ohana, M.D., | Head, Spine Unit | - Instructor |
| Y. Peilan, M.D., | Head, Hand Surgery Unit | - Lecturer |
| M. Berenstein, M.D., | Head, Trauma Unit | |
| K. Katz, M.D., | Pediatric Orthopedics | - Associate Professor |
| M. Pawker, M.D., | | |
| K. Klier, M.D., | Spine Surgeon | - Instructor |
| A. Bahar, M.D., | Sports Medicine | |
| Y. Tytiun, M.D., | Foot and Ankle Surgery Unit | |

Description

The department operates as an orthopedic surgery ward, performing all aspects of elective surgery in orthopedics and emergency surgery in traumatology, with subspecialties in orthopedic oncology, joint reconstructive surgery, pediatric orthopedics, spine, hand and foot surgery, limb deformity correction using Ilizarov apparatus, and sports injuries. The department serves as a tertiary referral center in most of these fields.

Clinical and Research Activities

Major research activities:

1. Optimization of parenteral and intra-articular antibiotic therapy in total joint infections.
2. Ferrum levels as a predictor of infection in total joint surgery.
3. Clinical evaluation of stabilization methods post trapezectomy.
4. The use of synthetic bone substitutes in filling bone defects.
5. Clinical evaluation of the operative results in calcaneal fractures.

Clinical Studies:

Use of CPM in lumbar spine surgery.

Minimal invasive surgery in pertrochanteric hip fractures treatment.

List of Publications

- E. Bar-On, Y. Floman, S. Sagiv, K. Katz, R.D. Pollak, C. Maayan.
Orthopaedic manifestations of familial dysautonomia. A review of one hundred and thirty-six patients.
J Bone Joint Surg Am, 82-A(11):1563-70, 2000
- Copeliovitich L, Katz K, Arbel N, Harries N, Bar-On E, Soudry M.
Musculoskeletal deformities in Behr syndrome.
J Pediatr Orthop, 21(4):512-4, 2001
- K. Katz, R. Fogelman, J. Attias, E. Baron, M. Soudry.
Anxiety reaction in children during removal of their plaster cast with a saw.
J Bone Joint Surg Br, 83(3):388-90, 2001
- E. Bar-On, D. Weigl, R. Parvari, K. Katz, R. Weitz, T. Steinberg.
Congenital insensitivity to pain. Orthopaedic manifestations.
J Bone Joint Surg Br, 84(2):252-7, 2002
- A. Aner, M. Singer, Z. Feldbrin, V. Rzetelny, E. Bar-On.
Surgical treatment of posttraumatic radioulnar synostosis in children.
J Pediatr Orthop, 22(5):598-600, 2002
- M. Paranjape, A. Cziger, K. Katz.
Ossification of femoral head: normal sonographic standards.
J Pediatr Orthop, 22(2):217-8, 2002
- S.D. Iordache, N. Ohana, E. Mercado, M. Soudry.
The retrodiaphragmatic spinal approach; leaving the thoracic cavity intact (abstract).
Eur Spine J, 11: 396-397, 2002
- K. Katz, N. Arbel, N. Apter, M. Soudry.
Early mobilization after sliding Achilles tendon lengthening in children with spastic cerebral palsy.
Foot Ankle Int, 21(12):1011-4, 2000
- K. Katz, L. Kornreich L, R. David, G. Horev, M. Soudry.
Osteoid osteoma: resection with CT guidance.
Isr Med Assoc J, 2(2):151-3, 2000.

Active Participation in Scientific Meetings

- Geerntal A, Soudry M.
The lateral approach in valgus TKR.
Annual Congress - Israeli Orthopedic Association
Tel Aviv 2001

Ohana N, Klier I, Shines D, Sasson A, Soudry M.
In-situ contouring of the spine: a novel concept in correcting idiopathic scoliosis.
Annual Congress - Israeli Orthopedic Association
Tel Aviv 2001

Ohana N, Mercado E, Soudry M.
Antibiotic embedded PMMA beads: an efficient method to eradicate purulent
infection in spinal fusion.
Annual Congress - Israeli Orthopedic Association
Tel Aviv 2001

Vigler M, Tytiun Y, Shauer L, Greental A, Soudry M.
Preliminary results of total hip replacement with the metal-on-metal cementless
prosthesis.
Annual Congress - Israeli Orthopedic Association
Tel Aviv 2001

Horesh Z, Levy M, Soudry M.
Treatment of complex tibial plateau fractures with Ilizarov external fixator and
minimal open surgical procedure.
Annual Congress - Israeli Orthopedic Association
Tel Aviv 2001

Czieger A, Paranjaphe M, Katz K.
Ossification of femoral head, normal sonographic standards.
Annual Congress - Israeli Orthopedic Association
Tel Aviv 2001

Bar-On E, Weigel D, Parvari R, Katz J, Steinberg T.
Congenital insensitivity to pain.
Annual Congress - Israeli Orthopedic Association
Tel Aviv 2001

Katz K, Attias J, Czieger A, Weigel D, Bar-On E
Evoked EMG in prevention of sciatic nerve traction injury during hamstrings tendon
lengthening.
Annual Congress - Israeli Orthopedic Association
Tel Aviv 2002

Ohana N, Bender B, Iordache SD, Klier I, Soudry M.
Posterior spinal arthrodesis, a retrospective comparison study between the modified
Wiltze and the regular midline approaches.
Annual Congress - Israeli Orthopedic Association
Tel Aviv 2002

Iordache SD, Ohana N, Soudry M.
Sacroiliac joint pain as a cause of chronic low back pain. The value of fluoroscopic
guided corticosteroid injections.
Annual Congress - Israeli Orthopedic Association
Tel Aviv 2002

Vigler M, Karev A.

Larsen syndrome associated with thumb instability.

Annual Congress - Israeli Association of Hand Surgery

Tel Aviv 2002.

Ohana N, Iordache SD, Klier I, Shines D, Sasson A, Soudry M.

Manual contouring of the spine; a new technique for scoliosis correction.

The 6th International Congress of Spinal Surgery

Ankara, Turkey, 2002.