

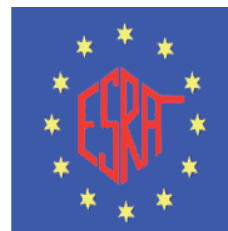
FINAL PROGRAMME

7th Croatian Congress on Regional Anaesthesia and Analgesia with International Participation

School of Medicine, University of Zagreb

June 14–15, 2019

Šalata 3, Zagreb, Croatia



ORGANIZERS

CROATIAN MEDICAL ASSOCIATION
CROATION SOCIETY OF REGIONAL ANAESTHESIA AND ANALGESIA
EUROPEAN SOCIETY OF REGIONAL ANAESTHESIA & PAIN THERAPY

School of Medicine University of Zagreb
Chair of Anaesthesiology and Reanimathology

Under the Auspices of



Department of Medical Sciences
Croatian Academy of Sciences and Arts

Dear Colleagues, Guests and Friends,

On behalf of Croatian Society of Regional Anaesthesia and Analgesia, Croatian Medical Association (CSRAA-CroMA) and European Society of Regional Anaesthesia and Pain Therapy (ESRA) it is our great pleasure and honour to welcome you to the 7th Croatian Congress of Regional Anaesthesia and Analgesia with International participation, School of medicine University of Zagreb, in Zagreb, Croatia, June 14 -15, 2019.

The scientific programme is designed for anaesthesiologists and other physicians interested in regional anaesthesia for surgical procedures, as well as in acute and chronic pain management.

Paper of invited speaker are published in issue of the Acta Clinica Croatia had been prepared for oral presentations at the 7th Croatian Congress of Regional Anaesthesia and Analgesia with international participation, held on June 14-15, 2019 in Zagreb, Croatia. The Congress was organized by the Croatian Society of Regional Anaesthesia and Analgesia in collaboration with the European Society of Regional Anaesthesia & Pain Therapy and School of Medicine, University of Zagreb under the auspices of the Croatian Academy of Science and Arts. Prior to acceptance and publication, all articles had undergone double review process, CrossRef similarity check and language editing.

Regional anaesthesia specialists and enthusiasts have a mission to improve the current state-of-the-art of regional anaesthesia in orthopaedics, obstetrics and day surgery as well as to advance the therapy of postsurgical pain, pains in adults and in children, and of any kind of severe pain that can be helped by sensible administration of drugs and other pain therapies. In addition to education on current pain research and therapy through conferences and publications, we must promote education on the management of pain for both medical students and health professionals.

By recognizing the dominant role of the brain, which generates our subjective experiences and activates our defense systems, we are now able to get a bit closer to the interlinked relationship between pain and stress. These relationships among stress, gender, the immune system, and chronic pain syndromes reveal the need to study pain in a biological context far broader than a pain pathway.

Postoperative pain has been poorly managed for decades. Regional anaesthetic techniques are the most effective methods to treat postoperative pain. The role of acute pain services to improve pain management and outcome is well accepted but implementation seems challenging.

The industrial exhibition is an opportunity for you to network and to keep up-to-date with the latest pharmacological and technological developments. Each company is a supporter of the Congress and we would like to thank them all for their commitment and contribution by visiting the exhibition.

We sincerely hope that you will enjoy both, the educational value of the programme and the unique atmosphere of charming City of Zagreb.

We are looking forward to greeting you personally in Zagreb.

Professor Kata Šakić, MD, PhD
President of Croatian Society of Regional
Anaesthesia and Analgesia, Croatian Medical
Association, Zagreb, Croatia

Professor Slobodan Mihaljević, MD, PhD
Head Chair of Anaesthesiology School of
Medicine, University of Zagreb, Croatia

General information

The Congress will be organised in a form of oral presentations, video projections, workshops and poster presentations.

Presentations (apart from invited speakers) will not be allowed without paid registration fee.

Papers of invited speakers are reviewed and published in Journal "Acta Clinica Croatica" 2019" indexed in SCI and MEDLINE database; Acta Clin Croat, Vol. 58, (Suppl. 1) 2019 (for more info see: <http://actaclinicacroatica.hr>).

Certificate

Congress participation will be evaluated on the basis of rule of professional improving and verification of qualification for physicians by the Croatian Medical Chamber. The Participation Certificate will be handed to all participants with regulated registration fee.

Congress Venue

["Medicinski fakultet"](#), Šalata 3, 10 000 Zagreb, Croatia

Official Symposium languages

English and Croatian (simultaneous translation will not be provided)

Presentations

Oral presentations can be in Croatian or English. All presenting materials must be in English.

Official emblems

All registrated participants and accompanying persons will receive official congress emblem.

Social program and program for accompanying persons

Cultural and social events are planned for the Congress participants.

Welcome reception (Friday, June 14th, 2019, 08:00 pm, Palace "Dverce", Gornji grad Zagreb)

Congress service (registration fee and hotel)

Iva Posavec mag.oec. email: iva.posavec@otours.hr

Congress department: <https://www.otours.hr/>

Tel: +385 99 2639333

O-Tours PCO d.o.o.

Gajeva 6 / 1 st floor

HR-10000 Zagreb Croatia

SCIENTIFIC PROGRAMME

DAY 1: FRIDAY, June 14, 2019
HALL Čačković, Šalata 3

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|---------------------|---|
| 08:00 – 18:00 | REGISTRATION |
| | Registration desk |
| 08:30 – 10:30 | SESSION 1 HIGHLIGHTS IN REGIONAL ANAESTHESIA & PAIN MEDICINE <i>Chair: N. Rawal (Sweden), K. Šakić (Croatia)</i> |
| 08:30 – 09:00 | L1. Why spinal anaesthesia in hip trauma and the impact on postoperative outcome. How effective is it? <i>K. Šakić, Zagreb, Croatia</i> |
| 09:00 – 09:30 | L2. Changing paradigm in postoperative pain management with regional techniques - go peripheral <i>N. Rawal, Qrebro, Sweden</i> |
| 09:30 – 10:00 | L3. Major obstetric hemorrhage <i>Mano Doraiswami, London, UK</i> |
| 10:00 – 10:20 | L4. The anatomy of orofacial innervation <i>Z. Petanjek, Zagreb, Croatia</i> |
| 10:20 – 10:30 | Discussion |
| P1 10:30 – 11:00 | POSTER PRESENTATIONS (P 1– P 7) <i>Chair: A. Sekulić (Zagreb), I. Bičanić (Zagreb)</i> |
| P2 10:30 – 11:00 | POSTER PRESENTATIONS (P 8 – P 15) <i>Chair: T. Šimurina (Zadar), L. Šakić (Zagreb)</i> |
| 10:30 – 11:00 | Coffee break |
| 11:00 – 13:00 | SESSION 2 REGIONAL ANAESTHESIA AND ANALGESIA IN OBSTETRIC <i>Chair: M. Van de Velde (Belgium), I. Šklebar (Croatia)</i> |
| 11:00 – 11:30 | L5. New horizons in neuraxial analgesia for labor pain relief <i>M. Van de Velde, Leuven, Belgium</i> |
| 11:30 – 12:00 | L6. Procedure-specific (PROSPECT) recommendations on postoperative - what and why? PROSPECT recommendations for C-section <i>M. Van de Velde, Leuven, Belgium</i> |
| 12:00 – 12:20 | L7. Spinal – anaesthesia induced hypotension; fluid and vasopressors <i>I. Šklebar, Zagreb, Croatia</i> |
| 12:20 – 12:40 | L8. Complications of neuraxial labor analgesia? <i>I. Suljević, Sarajevo, Bosnia and Hercegovina</i> |
| 12:40 – 13:00 | Discussion |
| 13:00 – 14:00 | LUNCH BREAK |

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| 14:00 – 16:00 | SESSION 3 REGIONAL ANAESTHESIA & PAIN MEDICINE IN ELDERLY <i>Chair: B. Tripković (Croatia), S. Gligorijevic (Switzerland)</i> |
| 14:00 – 14:30 | L9. Holistic approach to the immunobiology of aging (view on the turn of millenium) <i>B. Vitale, Zagreb, Croatia</i> |
| 14:30 – 15:00 | L10. New horizons in Neuraxial Anesthesia in high risk orthopaedic patients <i>B. Tripković, Zagreb, Croatia</i> |
| 15:00 – 15:30 | L11. Inervation of the hip joint and applications of fascia iliaca block, critical evaluation of quadrates lumborum block <i>I. Bohaček, Zagreb, Croatia</i> |
| 15:30 – 15:50 | L12. Maternal mortality and role of the anaesthetist <i>S. Mihaljević, Zagreb, Croatia</i> |
| 15:50 – 16:00 | Discussion |
| P1 16:00 – 16:30 | POSTER PRESENTATIONS (P 16 – P 23) <i>Chair: D. Bandić Pavlović (Zagreb), I. Bičanić (Zagreb)</i> |
| P2 16:00 – 16:30 | POSTER PRESENTATIONS (P 24 – P 29) <i>Chair: M. Žura (Zagreb), L. Šakić (Zagreb)</i> |
| 16:00 – 16:30 | Coffee break |
| 16:30 – 18:30 | SESSION 4 PERIOPERATIVE PAIN MANAGEMENT - LIA <i>Chair: N. Rawal (Sweden), M. Župčić (Croatia)</i> |
| 16:30 – 17:00 | L13. Strategies to prevent chronic postoperative pain <i>N. Rawal, Qrebro, Sweeden</i> |
| 17:00 – 17:20 | L14. Regional blocks for postoperative pain management - an update <i>S. Gligorijevic, Zuerich, Switzerland</i> |
| 17:20 – 17:40 | L15. The role of paravertebral blocks in ambulatory surgery: review of the literature <i>M. Župčić, Zagreb, Croatia</i> |
| 17:40 – 18:00 | L16. Local anesthetics and steroids: contraindications and complications - clinical update <i>T. Šimurina, Zadar, Croatia</i> |
| 18:00 – 18:20 | L17. Assesing the block for different pain - an evidenced based approach <i>D. Bandić Pavlović, Zagreb, Croatia</i> |
| 18:20 – 18:30 | Discussion |
| 20:00 – 22:00 | WELCOME RECEPTION, “Dverce”, Gornji Grad, Zagreb |
| | CSRAA 2019 Best Poster Award Musical act: Professor Bruno Baršić, MD, PhD The Greenhill Boys Band |

DAY 2: SATURDAY, June 15, 2019

HALL Čačković, Šalata 3

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| 08:30 – 10:30 | SESSION 5 REFRESHER KNOWLEDGE <i>Chair: A. Delbos (France), V. Novak Jankovič (Slovenia)</i> |
| 08:30 – 09:00 | L18. Blocks for foot and ankle surgery <i>A. Delbos, Paris, France</i> |
| 09:00 – 09:20 | L19. RA in Thoracic and Abdominal surgery <i>V. Novak Jankovič, Ljubljana, Slovenia</i> |
| 09:20 – 09:40 | L20. Enhanced recovery in caesarean section <i>V. Đuzel, London, UK</i> |
| 09:40 – 10:00 | L21. Blocks for lower limb and abdominal surgery <i>J. Peršec, Zagreb, Croatia</i> |
| 10:00 – 10:20 | L22. US skills Beyond RA in lower limb traumatology and orthopaedics <i>K. Oremuš, Zagreb, Croatia</i> |
| 10:20 – 10:30 | Discussion |
| 10:30 – 11:00 | Coffee break |
| 11:00 – 13:00 | SESSION 6 REFRESHER KNOWLEDGE <i>Chair: D. Tonković (Croatia), I. Radoš (Croatia)</i> |
| 11:00 – 11:30 | L23. Regional anaesthesia in neurosurgery <i>D. Tonković, Zagreb, Croatia</i> |
| 11:30 – 12:00 | L24. Invasive procedures for chronic pain <i>I. Radoš, Osijek, Croatia</i> |
| 12:00 – 12:20 | L25. Orofacial pain – diagnostic and therapeutic challenges <i>T. Badel, Zagreb, Croatia</i> |
| 12:20 – 12:40 | L25. Dexamethasone - intrathecal minimiser of simple haemathologic stress biomarkers in hip fracture <i>L. Šakić, Zagreb, Croatia</i> |
| 12:40 – 13:00 | L26. Medico - legal responsibility in management of acute and chronic pain in obstetrics <i>D. Habek, Zagreb, Croatia</i> |
| 13:00 – 13:10 | Discussion |
| 13:00 – 14:30 | LUNCH BREAK |

DAY 2: SATURDAY, June 15, 2019

GREAT HALLS, Šalata 4

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|-------------------------|--|
| 08:00 – 18:00 | REGISTRATION |
| 14:00 – 18:45 | WORKSHOPS – PART 1 <i>Chairs: S. Mihaljević (Croatia), D. Mihaljević (Croatia), I. Bičanić (Croatia)</i> |
| 14:30 – 15:15 HALL 1 | W1. Role of Acute Pain services (APS) to improve outcome <i>N. Rawal, Qrebro, Sweeden</i> |
| 15:15 – 16:00 HALL 4 | W2. Nerve location for peripheral nerve blocks: ultrasound and nerve stimulation – Upper extremity blocks <i>Brachial plexus - Proximal approaches: interscalene, infraclavicular Distal approaches: nerve blocks at elbow and wrist level S. Gligorijević (Zuerich), K. Oremuš (Zagreb), L. Šakić (Zagreb), I. Bičanić (Zagreb)</i> |
| 16:00 – 16:45 HALL 4 | W3. Nerve location for peripheral nerve blocks: ultrasound and nerve stimulation – Lower extremity blocks <i>Proximal approaches: psoas compartment, femoral and sciatic nerve blocks. Distal nerve blocks: sciatic and saphenous nerve block at the knee and ankle level S. Mihaljević (Zagreb), D. Mihaljević (Zagreb)</i> |
| 16:45 – 17:30 HALL 4 | W4. Paravertebral and other blocks (ganglion stelatium, plexus coeliacus) <i>M. Župčić (Rijeka), I. Radoš (Osijek)</i> |
| 14:30 – 18:15 Hall B | WORKSHOPS – PART 2 <i>Chair: S. Mihaljević (Croatia), D. Mihaljević (Croatia)</i> |
| 14:45 – 15:45 HALL 5 | W4. Paravertebral and other blocks (ganglion stelatium, plexus coeliacus) <i>M. Župčić (Rijeka), I. Radoš, (Osijek)</i> |
| 15:15 – 16:00 HALL 5 | W5. Periarticular, intraarticular injection and acupuncture techniques <i>I. Šklebar (Zagreb), N. Elezović (Split)</i> |
| 16:00 – 16:45 HALL 5 | W3. Nerve location for peripheral nerve blocks: ultrasound and nerve stimulation – Lower extremity blocks <i>Proximal approaches: psoas compartment, femoral and sciatic nerve blocks. Distal nerve blocks: sciatic and saphenous nerve block at the knee and ankle level S. Gligorijević (Zuerich), I Bičanić (Zagreb), L. Šakić (Zagreb)</i> |
| 16:45-17:30 HALL 5 | W2. Nerve location for peripheral nerve blocks: ultrasound and nerve stimulation – Upper extremity blocks <i>Brachial plexus - Proximal approaches: interscalene, infraclavicular Distal approaches: nerve blocks at elbow and wrist level S. Mihaljević (Zagreb), D. Mihaljević (Zagreb)</i> |
| 17:30 – 18:30 HALL 1 | General Assembly |
| | CLOSING CEREMONY |

Poster presentations

P1. Effect of lidocaine on perioperative proinflammatory cytokine levels in blood and cerebrospinal fluid in cerebral aneurysm patients – study concept

MARIJANA MATAS, ANTE SEKULIĆ, VLATKA SOTOŠEK TOKMADŽIĆ, ROBERT LIKIĆ, ANA KOZMAR, IVANA BUREŠ, MARTIN LACKOVIĆ

P2. Postpuncture headache risk using ocular ultrasound

MAŠA KONTIĆ, DINKO TONKOVIĆ, SANDA ROŽANKOVIĆ

P3. Anesthesia and analgesia for French Ambulatory Extraperitoneal Cesarean Section technique of extraabdominal cesarean section

IVAN IVANOVSKI, KATARINA KLIČAN JAIĆ, MAJA PEŠIĆ, ŽELJKO IVANEC, MARINKO VUČIĆ, KRUNOSLAV KUNA

P4. Trend and development of epidural analgesia and anesthesia in the maternity ward of Sestre Milosrdnice University Hospital Center over the past ten years (2008-2018)

KATARINA KLIČAN JAIĆ, MAJA PEŠIĆ, IVAN IVANOVSKI, IVONA BANOŽIĆ, KRUNOSLAV KUNA, MARINKO VUČIĆ

P5. Is regional anaesthesia superior regarding to POCD?

MARIJANA ŽURA, ANDREA PERŠIN BERAKOVIĆ, IVA BAČAK KOČMAN, DUBRAVKA BARTOLEK HAMP, SLOBODAN MIHALJEVIĆ

P6. The most common complications of spinal anaesthesia for caesarean section

TONKA BUJAS, TEA MEDVED, KRISTINA NJERŠ, IVAN ŠKLEBAR

P7. Fascia iliaca compartment block for hip fractures

TEA FABIJANIĆ, DANIELA BANDIĆ PAVLOVIĆ

P8. QUADRATUS LUMBORUM BLOCK- better immediate patient outcome in abdominal surgery

KARMELIĆ DORA, BUDIĆ NEDILJKA, PETROVIĆ IGOR, HABIJANEC BORNA, MIHALJEVIĆ SLOBODAN

P9. intermediate cervical plexus block in cervical spine surgery patients

ANITA MISIR, DANIELA BANDIĆ PAVLOVIĆ, NATAŠA KOVAČ, MARTINA MIKLIĆ BUBLIĆ, DINKO TONKOVIĆ, SLOBODAN MIHALJEVIĆ

P10. Interscalene block after left upper lobectomy: A case study

AGATA ŠKUNCA, ALENKA ČAR ŠOŠTARIĆ, MARIO MANDUŠIĆ, MIRELA DOBRIĆ

P11. Femoral block 3 in 1 and auriculopuncture in the treatment of postoperative pain- case report

ZRINKA OREŠKOVIĆ, BRANKO TRIPKOVIĆ, IVANA STIPIČIĆ, KATICA KODŽOMAN

P12. Ultrasound-guided rectus sheath block; intraoperative and postoperative analgesic technique for umbilical hernia repair surgery in a 5 year old child

ANA FUČAK PRIMC, SLOBODAN MIČIĆ, GORAN PAVELIĆ, MIROSLAV ŽUPČIĆ

P13. Plasma levels of interleukin-6 in response to two different techniques of postoperative analgesia

GORDANA KRISTEK, IVAN RADOŠ, DALIBOR KRISTEK, SONJA ŠKILJIĆ, NENAD NEŠKOVIĆ, HRVOJE VINKOVIĆ, IVANA HARŠANJI-DRENJANČEVIĆ

P14. Regional anaesthesia: everyday practice on Department of Traumatology in first quarter of 2019

ANA MILETIĆ, IVANA ROSO, TATJANA BEKER, MIRELA DOBRIĆ

P15. Enhanced multimodal analgesia controlled by staff „truth about opioids“

MARINA BARKOVIĆ, MIRJANA BARIČIĆ, KATARINA ŠAKIĆ

P16. Fluoroscopic-guided sacroiliac joint injections for relieving chronic axial low back pain in a tertiary Hospital in Croatia: a preliminary study

KALAGAC FABRIS LADA, ZANGHIRELLA-MARETIC SAMANTHA, BIBERIĆ MAŠA, ZRNA SINIŠA, KOŠETO ALEKSANDAR, RADOLOVIĆ KREŠIMIR

P17. IVRA and its adjuvants in limb surgery

FILIP MEDIĆ, FILIP MUSTAČ, MAŠA ALFIREVIĆ, INGA MLADIĆ BATINICA

P18. Approaches and Management in Abdominoplasty surgery with von Willebrand Disease in an Ambulatory Setting

JUDITH ADRIANNE DEUTSCH, DINKO BAGATIN, JOHANN NEMRAVA, KATA ŠAKIĆ, TOMICA BAGATIN

P19. Local infiltration analgesia for reduction of postoperative pain following general anaesthesia for mammoplasty in day surgery

JOHANN NEMRAVA, DINKO BAGATIN, KATA ŠAKIĆ, TOMICA BAGATIN, JUDITH ADRIANNE DEUTSCH

P20. Trends in the administration of local anaesthesia for dental procedures

IVANA SPLIVALO, TOMISLAV ŠKLEBAR, IVAN ŠKLEBAR

P21. Performance, tolerance and safety of Spinal Anaesthesia for ureterorenoscopy (URS) and in situ lithotripsy (Review)

SANDRA NENADIĆ ŠPRAJC, ELEONORA GOLUŽA, IGOR VLATKOVIĆ, MARJAN MARIĆ, ŽELJKO KAŠTELAN, SLOBODAN MIHALJEVIĆ

P22. Scalp block as safe method for emergency operation in paediatric neurosurgery

LUK A VRDOLJAK, MAŠA DELIĆ, ŽELJKA ZADRO, BARBARA BORAS, MARKO BOŠNJAK, IVANA BULIĆ², MARIJA BOŠNJAK, JOSIP PALADINO, VASILJE STAMBOLIJA

P23. Bilateral intermediate cervical block with general anesthesia for right sided thyroid lobectomy, a case report

DANIJEL KNEŽEVIĆ, EMANUEL BOROVIĆ, BERISLAV BARBALIĆ

P24. Effect of superficial cervical block on early postoperative recovery and reduction of analgesia in patients following anterior approach cervical spine surgery

JOSIP KOVAČEVIĆ, VASILJE STAMBOLIJA, MIROSLAV VUKIĆ, MARIN LOZIĆ, IVAN DOMAZET, MARTINA MIKLIĆ BUBLIĆ, LUKA VRDOLJAK, DUJE ŠTAMBUK

P25. Regional anaesthesia's effect on prostate cancer recurrence (Review)

IGOR VLATKOVIĆ, ELEONORA GOLUŽA, IVA BAČAK KOČMAN I, TVRTKO HUDOLIN, ŽELJKO KAŠTELAN, SLOBODAN MIHALJEVIĆ S

P26. Regional anaesthesia and transurethral resection of prostate - different approaches for a well established procedure. (Review)

IGOR VLATKOVIĆ, ELEONORA GOLUŽA, SANDRA NENADIĆ ŠPRAJC I, TVRTKO HUDOLI, ŽELJKO KAŠTELAN, SLOBODAN MIHALJEVIĆ S

P27. Influence of Local Infiltration Analgesia on Postoperative Pain in Abdominoplasty Patients

DINKO BAGATIN, TOMICA BAGATIN, JOHANN NEMRAVA AND KATA ŠAKIĆ

P28. Impact of Local Infiltration Anesthesia on Postoperative Pain Management after Rhinoplasty in Day Care Surgery

TOMICA BAGATIN, DINKO BAGATIN, LIVIJA ŠAKIĆ AND KATA ŠAKIĆ

P29. OP Epidural Analgesia in Multiply Injured Patients with Severe Chest Trauma: Two Case Reports and Literature Review

NINA SULEN, TATJANA ŠIMURINA. EDI KARUĆ AND ANELA TOLIĆ