



**UNIVERSITY OF  
BELGRADE**



UNIVERSITY OF BELGRADE  
FACULTY  
OF MEDICINE



Co-funded by the  
Erasmus+ Programme  
of the European Union

**Strengthening Capacities for Higher  
Education of Pain Medicine in Western  
Balkan Countries (HEPMP)  
Kick-off Meeting  
December 01 – 02, 2017**

**Introducing Regional Center Rijeka, Croatia**

# Rijeka, Croatia



# Rijeka center

**Clinical Hospital Center Rijeka**



**Faculty of Medicine, University of Rijeka**



**Faculty of Health Studies**



# Clinical Hospital Center Rijeka



- **establish - September 3<sup>rd</sup> 1984**
- **one of the five clinical hospital centers in Croatia**
- **take cares of 600000 population**
- **hospital, educational and science center**



# Clinical Hospital Center Rijeka



## KBCri Lokalitet Rijeka R

<b>R1</b> Klinika za elektrolne bolesti	<b>R2</b> Zavod za pedijatriju, primarne i II. i III. faz	<b>R3</b> Medicinska škola u Rijeci	<b>R4</b> Klinika za psihijatriju	<b>R5</b> Klinika za neurologiju	<b>R6</b> Hitna pomoć / Emergency	<b>R7</b> Klinika za ORL	<b>R8</b> Centar za endokrinologiju i dijabetes	<b>R9</b> Tehnička odjel	<b>R10</b> Centralna pripremnica hrane	<b>R11</b> Jedinica za centralno naručivanje, primarne	<b>R12</b> Klinika za anesteziologiju i intenzivno liječenje, primarne	<b>R13</b> Klinički zavod za transfuzijsku medicinu, II. faz	<b>R14</b> Zavod za gastroenterologiju, endokrinologiju i ut., primarne	<b>R15</b> Dnevna bolnica, I. faz	<b>R16</b> Klinika za oftalmologiju, I. faz	<b>R17</b> Klinika za hematovenerologiju, I. faz	<b>R18</b> Dnevna bolnica, primarne	<b>R19</b> Klinika za gastroenterologiju, primarne	<b>R20</b> Klinika za radiologiju, dijagnostičku i terapijsku, primarne	<b>R21</b> Klinika za dermatologiju, primarne	<b>R22</b> Dnevna bolnica, primarne	<b>R23</b> Klinika za kirurgiju, II. faz	<b>R24</b> Zavod za dijagnostiku i terapiju, primarne	<b>R25</b> Klinika za optičku i ortodontičku kirurgiju, II. faz	<b>R26</b> Hitna pomoć / Emergency	<b>R27</b> Klinika za radiologiju i dijagnostiku, primarne	<b>R28</b> Dnevna bolnica, primarne	<b>R29</b> Klinika za medicinsku fiziku i fizioterapiju, primarne	<b>R30</b> Klinika za nefrologiju, primarne	<b>R31</b> Klinika za nefrologiju, primarne	<b>R32</b> Klinika za nefrologiju, primarne	<b>R33</b> Klinika za nefrologiju, primarne	<b>R34</b> Klinika za nefrologiju, primarne	<b>R35</b> Klinika za nefrologiju, primarne	<b>R36</b> Klinika za nefrologiju, primarne	<b>R37</b> Klinika za nefrologiju, primarne	<b>R38</b> Klinika za nefrologiju, primarne	<b>R39</b> Klinika za nefrologiju, primarne	<b>R40</b> Klinika za nefrologiju, primarne	<b>R41</b> Klinika za nefrologiju, primarne	<b>R42</b> Klinika za nefrologiju, primarne	<b>R43</b> Klinika za nefrologiju, primarne	<b>R44</b> Klinika za nefrologiju, primarne	<b>R45</b> Klinika za nefrologiju, primarne	<b>R46</b> Klinika za nefrologiju, primarne	<b>R47</b> Klinika za nefrologiju, primarne	<b>R48</b> Klinika za nefrologiju, primarne	<b>R49</b> Klinika za nefrologiju, primarne	<b>R50</b> Klinika za nefrologiju, primarne	<b>R51</b> Klinika za nefrologiju, primarne	<b>R52</b> Klinika za nefrologiju, primarne	<b>R53</b> Klinika za nefrologiju, primarne	<b>R54</b> Klinika za nefrologiju, primarne	<b>R55</b> Klinika za nefrologiju, primarne	<b>R56</b> Klinika za nefrologiju, primarne	<b>R57</b> Klinika za nefrologiju, primarne	<b>R58</b> Klinika za nefrologiju, primarne	<b>R59</b> Klinika za nefrologiju, primarne	<b>R60</b> Klinika za nefrologiju, primarne	<b>R61</b> Klinika za nefrologiju, primarne	<b>R62</b> Klinika za nefrologiju, primarne	<b>R63</b> Klinika za nefrologiju, primarne	<b>R64</b> Klinika za nefrologiju, primarne	<b>R65</b> Klinika za nefrologiju, primarne	<b>R66</b> Klinika za nefrologiju, primarne	<b>R67</b> Klinika za nefrologiju, primarne	<b>R68</b> Klinika za nefrologiju, primarne	<b>R69</b> Klinika za nefrologiju, primarne	<b>R70</b> Klinika za nefrologiju, primarne	<b>R71</b> Klinika za nefrologiju, primarne	<b>R72</b> Klinika za nefrologiju, primarne	<b>R73</b> Klinika za nefrologiju, primarne	<b>R74</b> Klinika za nefrologiju, primarne	<b>R75</b> Klinika za nefrologiju, primarne	<b>R76</b> Klinika za nefrologiju, primarne	<b>R77</b> Klinika za nefrologiju, primarne	<b>R78</b> Klinika za nefrologiju, primarne	<b>R79</b> Klinika za nefrologiju, primarne	<b>R80</b> Klinika za nefrologiju, primarne	<b>R81</b> Klinika za nefrologiju, primarne	<b>R82</b> Klinika za nefrologiju, primarne	<b>R83</b> Klinika za nefrologiju, primarne	<b>R84</b> Klinika za nefrologiju, primarne	<b>R85</b> Klinika za nefrologiju, primarne	<b>R86</b> Klinika za nefrologiju, primarne	<b>R87</b> Klinika za nefrologiju, primarne	<b>R88</b> Klinika za nefrologiju, primarne	<b>R89</b> Klinika za nefrologiju, primarne	<b>R90</b> Klinika za nefrologiju, primarne	<b>R91</b> Klinika za nefrologiju, primarne	<b>R92</b> Klinika za nefrologiju, primarne	<b>R93</b> Klinika za nefrologiju, primarne	<b>R94</b> Klinika za nefrologiju, primarne	<b>R95</b> Klinika za nefrologiju, primarne	<b>R96</b> Klinika za nefrologiju, primarne	<b>R97</b> Klinika za nefrologiju, primarne	<b>R98</b> Klinika za nefrologiju, primarne	<b>R99</b> Klinika za nefrologiju, primarne	<b>R100</b> Klinika za nefrologiju, primarne
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## KBCri Lokalitet Sušak S

<b>S1</b> Hitna pomoć / Emergency	<b>S2</b> Klinika za nefrologiju, primarne	<b>S3</b> Klinika za nefrologiju, primarne	<b>S4</b> Klinika za nefrologiju, primarne	<b>S5</b> Klinika za nefrologiju, primarne	<b>S6</b> Klinika za nefrologiju, primarne	<b>S7</b> Klinika za nefrologiju, primarne	<b>S8</b> Klinika za nefrologiju, primarne	<b>S9</b> Klinika za nefrologiju, primarne	<b>S10</b> Klinika za nefrologiju, primarne
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## KBCri Lokalitet Kantrida K

<b>K1</b> Hitna pomoć / Emergency	<b>K2</b> Klinika za nefrologiju, primarne	<b>K3</b> Klinika za nefrologiju, primarne	<b>K4</b> Klinika za nefrologiju, primarne	<b>K5</b> Klinika za nefrologiju, primarne	<b>K6</b> Klinika za nefrologiju, primarne	<b>K7</b> Klinika za nefrologiju, primarne	<b>K8</b> Klinika za nefrologiju, primarne	<b>K9</b> Klinika za nefrologiju, primarne	<b>K10</b> Klinika za nefrologiju, primarne
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# Faculty of Medicine, University of Rijeka

- establish - 1955
- educational and science center



# Faculty of Health Studies



- establish - 2014
- educational center for health studies



# **Education in pain**

- **Faculty of Medicine – Department of Physiology and Immunology, Department of Anaesthesia, Resuscitation and Intensive care Medicine – students and PhD students**
- **Faculty of Health Science - students**
- **Clinical Hospital Center Rijeka – residents**



# Workshops for residents and specialists



European Pain Federation EFIC endorsed  
Interventional Pain Management Symposium & Cadaver Workshop  
26th–29th May 2016 Osijek, Croatia



## GENERAL INFORMATION

### Organiser

The European Pain Federation *EFIC*<sup>®</sup>  
The Croatian Pain Society  
The Serbian Association of Pain Research and Treatment  
Association for Pain Therapy in Bosnia and Herzegovina  
University Hospital Osijek  
School of Medicine University of Zagreb  
Medical Faculty University J.J.Strossmayer Osijek

Course Director: Ivan Rados, MD, PhD

### Information / Registration

Andrea Mrso: [mrsoandrea385@gmail.com](mailto:mrsoandrea385@gmail.com)  
Tel. 0038531511502  
Ivan Radoš: [irados11@gmail.com](mailto:irados11@gmail.com)  
Mob. 00385917974306

Congress official languages  
English

Registration fee: 6000.00 HRK or 800 € (VAT 25% included)

### Venue

*Get Together on 26<sup>th</sup> and lecture day 27<sup>th</sup> May 2016 will take place at the following location:*  
Hotel Osijek  
Šmačka 4, 31000 Osijek, Croatia

*The cadaver workshop on 28<sup>th</sup> and 29<sup>th</sup> May 2016 will take place at the following location:*

Hall of Anatomy  
Faculty of Medicine in Osijek  
J. Huttlera 4,  
31000 Osijek, Croatia

### Further information

After registration we will send you all necessary information regarding registration fee and accommodation. [Limited places are available.](#)



Medicinski fakultet  
Rijeka



**Katedra za anesteziologiju, reanimatologiju i intenzivno liječenje  
Medicinskog fakulteta Sveučilišta u Rijeci**

**Klinika za anesteziologiju i intenzivno liječenje  
KBC Rijeka**

**Tečaj I kategorije – XIX međunarodni tečaj  
„Ultrazvukom vođena regionalna anestezija”**

# UVOD U RADIONICU

Prof. dr. sc. Željko Župan, dr. med.  
Rijeka, 3. – 5. studeni 2017. godine

# Research of pain

- **Faculty of Medicine – Department of Physiology and Immunology, Department of Anaesthesia, Resuscitation and Intensive care Medicine**

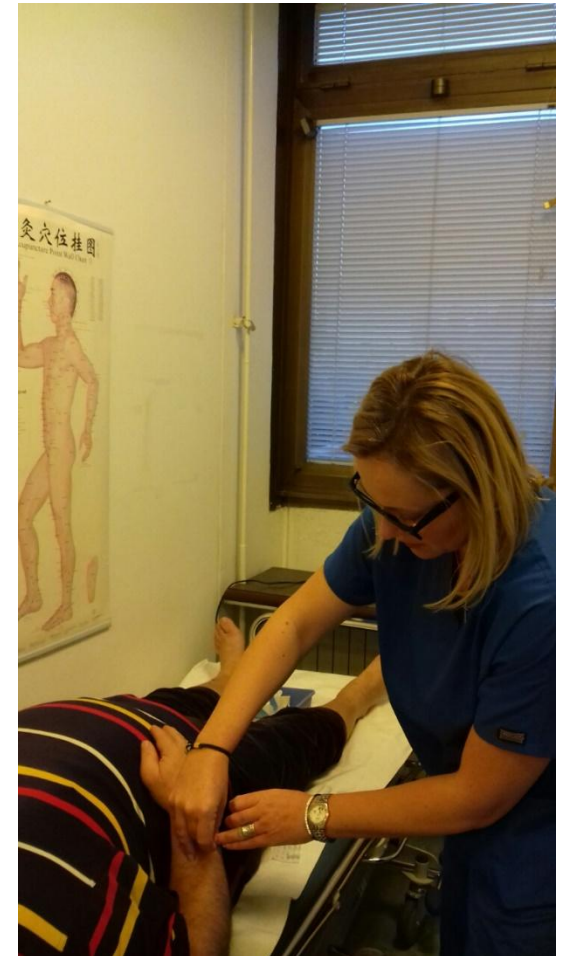


# Research of pain Publications

- **Golubović V, Golubović S, Cindrić-Stančin M, Sotošek Tokmadžić V. Intraperitoneal analgesia for laparoscopic cholecystectomy: bupivacaine versus bupivacaine with tramadol. Coll Antropol 2009;33:299-302.**
- **Golubovic S, Golubovic V, Sotosek-Tokmadzic V, Sustic A, Petkovic M, Bacic D, Mrakovcic-Sutic I. The proposed mechanism of action during different pain management techniques on expression of cytolytic molecule perforin in patients after colorectal cancer surgery. Medical Hypotheses 2011; 76(3):450-2.**
- **Golubović V, Golubović S, Sotošek Tokmadžić V, Mrakovčić-Šutić I. Immune response in patients with cancer pain. Period Biol 2009;111:223-5.**
- **Golubović V, Glubović S, Sotošek Tokmadžić V. Recent advantages in cancer pain management. Period Biol 2011;113:261-5.**
- **[Laskarin G](#), [Persic V](#), [Kukic SR](#), [Massari D](#), [Legovic A](#), [Boban M](#), [Miskulin R](#), [Rogoznica M](#), [Kehler T](#). Can pain intensity in osteoarthritis joint be indicator of the impairment of endothelial function? Med Hypotheses 2016;94:15-9.**

# Pain management

- everyday practice in Clinical Hospital Center Rijeka
- Division for Pain Medicine – established 2000.



# Pain management

- conventional treatment
- acupuncture
- regional analgesia
- acute pain service



# **Future perspectives**

- **strengthening education in pain medicine – student residence and specialists – Faculty of Medicine, Clinical Hospital Center Rijeka, workshops (Rijeka, Osijek, Zagreb)**
- **application for EU science projects - research of pain**
- **developing pain practice – invasive and non-invasive pain treatment**