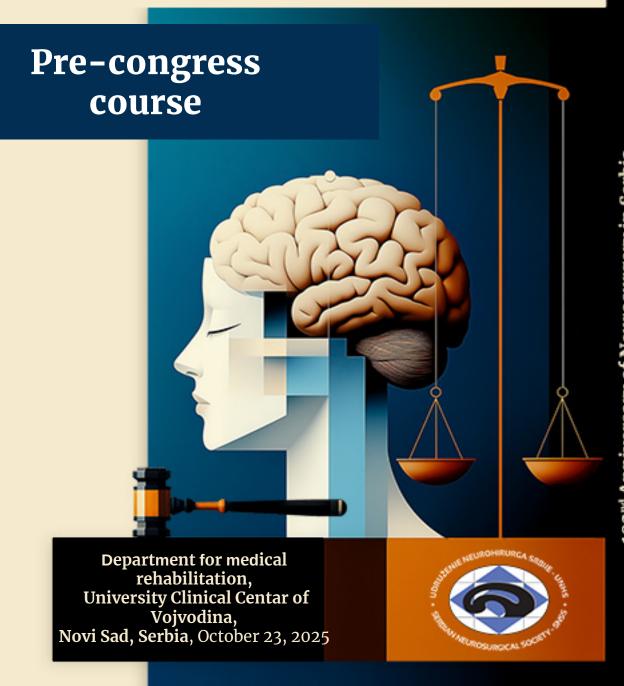
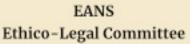
Ethico-legal aspects of neurosurgery in the 21st century: Challenges and opportunities



Host: Clinic for Neurosurgery, University Clinical Center of Vojvodina Joint venture with the







Turkish Neurosurgical Society



Southeast Europe Neurosurgical Society - SeENS





Thursday · October 23rd · 2025,

Department for Medical Rehabilitation, University Clinical Centar of Vojvodina

Neurocritical care and treatment of patients possibilities and perspectives - continuous ICP monitoring and active fluid exchange

	PRE-CONGRESS COURSE WITH HANDS-ON TRAINING TARGET AUDIENCE: Neurosurgeons, neurologists, intensivists and nurses in intensive care units Number of participants: 50 Moderator: Djula Djilvesi
07.50-08.00	Welcome address Lukas Rasulic
08.00-08.30	Historic shortcomings of legacy drainage technology Djula Djilvesi
08.30-09.00	Multidisciplinary approaches in the treatment of neurocritical patients Jagos Golubovic
09.00-09.30	Clinical values of dual lumen catheters Jovan Grujic
09.30-10.00	The word of a radiologist - who, when, why? Milos Lucic
10.00-10.30	Discussion
10.30-11.00	Coffee break
11.00-11.30	Active fliud exchange system Ana Zecevic
11.30-12.00	Case study Behnam Rezai Jahromi
12.00-12.30	Radiological presentation of cases before and after treatment Milos Lucic
12.30-13.00	Discussion
13.00-14.00	Lunch and coffee break
14.00-15.30	Workshop and hands - on for doctors and nurses
15.30-16.00	Quiz and exit test
16.00	Closing

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Learning outcomes:

During and after the course, participants will be able to:

- 1. Recognize the historical shortcomings of legacy drainage technology and its impact on current practices in neurocritical care.
- 2. Assess the importance of multidisciplinary approaches in the treatment of neurocritical patients
- 3. Identify the roles of different healthcare professionals involved in the treatment.
- 4. Evaluate the clinical values and practical applications of dual lumen catheters in continuous ICP monitoring and fluid management.
- 5. Articulate the rationale behind radiology's involvement in neurocritical care, including indications for imaging, timing, and specific imaging modalities used.
- 6. Grasp the concepts and operational procedures of active fluid exchange systems in managing neurocritical patients.
- 7. Analyze real-life case studies to understand the application of theoretical knowledge in clinical scenarios and the outcomes of various treatment strategies.
- 8. Critically evaluate radiological presentations of cases before and after treatment, recognizing the significance of imaging in treatment planning and patient outcomes.
- 9. Gain hands-on experience and practical skills in monitoring and treating neurocritical care patients through the workshop session.
- 10. Engage in discussions to share insights, ask questions, and enhance understanding of neurocritical care concepts and practices, fostering a collaborative learning environment.
- 11. Identify potential risks and complications associated with neurocritical care interventions, including drainage technology and fluid management systems
- 12. Integrate the latest research findings and clinical guidelines into practice to enhance the treatment and monitoring of neurocritical patients.
- 13. Develop strategies for providing patient-centered care in neurocritical settings, considering the unique needs and perspectives of both patients and their families.
- 14. Explore advancements in technology that impact neurocritical care
- 15. Examine and classify common complications associated with neurocritical care procedures, including their clinical manifestations and management.
- 16. Gain a solid understanding of the pathophysiology underlying chronic SDH, IVH, IPH with ventricular involvement, SAH, ventriculitis, cerebral abscess, and hydrocephalus, identifying the clinical implications for treatment.

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- 17. Develop the ability to recognize clinical indications for the use of minimally invasive techniques in treating the aforementioned neurosurgical conditions.
- 18. Understand the principles and applications of automated irrigation, controlled drainage, and continuous ICP monitoring as part of a unified treatment solution.
- 19. Analyze and interpret significant clinical trials and studies demonstrating the efficacy, safety, and benefits of minimally invasive approaches compared to traditional surgical techniques.
- 20. Evaluate the impact of minimally invasive techniques on patient outcomes, including reduction in recurrence rates and potential to eliminate the need for surgical evacuation.
- 21. Acquire expertise in patient selection for minimally invasive treatments, considering factors such as age, health status, and type of hemorrhage or abscess.
- 22. Understand the long-term management and follow-up strategies necessary for patients undergoing treatment with minimally invasive techniques, including monitoring and adjusting therapeutic approaches.
- 23. Learn how to effectively integrate minimally invasive techniques into existing neurosurgical practice
- 24. Participate in practical training using demo devices and real-world scenarios to become familiar with procedural steps and the use of automated irrigation and controlled drainage systems.
- 25. Enhance clinical decision-making skills in a multidisciplinary context
- 26. Engage in quality improvement initiatives aimed at evaluating and enhancing the implementation of minimally invasive techniques in clinical practice to improve overall patient care.