

SUNY DOWNSTATE - BROOKLYN  
DEPARTMENT OF ANESTHESIOLOGY  
FACULTY MENTOR RESEARCH PROJECTS  
2010-2011

PROJECT	LOCATION	PRINCIPAL INVESTIGATOR	STATUS
1. The effect of diffusion of 4% lidocaine through the Medtronic EMG tube cuff on Nerve Integrity Monitor Response®	LICH	Apostol, A <a href="mailto:alexandru.apostol@downstate.edu">alexandru.apostol@downstate.edu</a> <a href="mailto:alexandru.apostol@yahoo.com">alexandru.apostol@yahoo.com</a>	Waiting for IRB approval.
2. Correlation of complement activation and factors with delayed cerebral vasospasm and delayed ischemic neurological deficits in aneurysmal subarachnoid hemorrhage patients	SUNY Downstate	Bendo, A/ Zhang, M/Dr Bernadette /Dr Mangla <a href="mailto:audree.bendo@downstate.edu">audree.bendo@downstate.edu</a>	Active.
8. Efficacy and safety of drotrecogin alfa/ xigris (activated) in adult patients with septic shock (Eli Lilly & Co)	SUNY Downstate	Charchaflied, J/Zhang, M <a href="mailto:jean.charchaflied@downstate.edu">jean.charchaflied@downstate.edu</a>	Active
9. Temporal alterations in complement expression profiles are associated with increased mortality in septic shock	SUNY Downstate	Charchaflied, J/ Zhang, M <a href="mailto:jean.charchaflied@downstate.edu">jean.charchaflied@downstate.edu</a>	Active
10. The effect of a periarticular injection of bupivacaine-ketorolac-epinephrine- morphine mixture, in addition to a continuous femoral nerve block, on rehabilitation and postop pain in patients undergoing total <u>knee</u> replacement.	SUNY Downstate	Dimaculangan, D <a href="mailto:Dennis.Dimaculangan@downstate.edu">Dennis.Dimaculangan@downstate.edu</a>	Active
11. Study comparing the effects of PCEA vs. periarticular singleshoot injection (SSI) vs. continuous periarticular infiltration (CPI) of local anesthetic, on top of a standard multimodal postop pain management strategy, on pain and rehabilitation outcomes in patients undergoing total <u>hip</u> replacement surgery	SUNY Downstate	Dimaculangan, D <a href="mailto:Dennis.Dimaculangan@downstate.edu">Dennis.Dimaculangan@downstate.edu</a>	Active
12. Retrospective Chart Review of a Series of Continuous Femoral Nerve Blocks (CFNB) Performed During Residual Neuroaxial Blockade for Postoperative Pain Management After Total Knee Replacement (TKR) to Determine the Incidence of Nerve Injury at SUNY-DMC	SUNY Downstate	Dimaculangan, D <a href="mailto:Dennis.Dimaculangan@downstate.edu">Dennis.Dimaculangan@downstate.edu</a>	Active
13. Is there any increased benefit for ease of access during performance of neuraxial anesthesia amongst the variety of patient positioning techniques using ultrasound technology?	SUNY Downstate	Dimaculangan, D <a href="mailto:Dennis.Dimaculangan@downstate.edu">Dennis.Dimaculangan@downstate.edu</a>	Active

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14. Learning curves for the utilization of ultrasound during regional anesthesia: a) Learning curve for brachial plexus ultrasound imaging by anesthesia residents using the Cusum method	SUNY Downstate	Dimaculangan, D <a href="mailto:Dennis.Dimaculangan@downstate.edu">Dennis.Dimaculangan@downstate.edu</a>	Active
15. Video glasses for use during inhalation induction in children	SUNY Downstate	Kerimoglu, B <a href="mailto:Belken.Kerimoglu@downstate.edu">Belken.Kerimoglu@downstate.edu</a> <a href="mailto:BKKerimoglu@aol.com">BKKerimoglu@aol.com</a>	Active
16. Innate immunity responses to ischemic changes during cardiac surgery.	SUNY Downstate	Shevde, K/ Zhang, M/Dr Ko and CT surgeons (Dept of Surgery –SUNY) <a href="mailto:Ketan.Shevde@downstate.edu">Ketan.Shevde@downstate.edu</a>	Active
17. The pharyngeal Ultrasound Guide-a New Device Extending the Boundaries of the Transesophageal Echocardiography Examination	SUNY Downstate	Shevde, K/ Zhang, M/Dr Ko and CT surgeons (Dept of Surgery –SUNY) <a href="mailto:Ketan.Shevde@downstate.edu">Ketan.Shevde@downstate.edu</a>	Protocol in Development
18. The role of natural IgM in human myocardial infarction	SUNY Downstate	Shevde, K/Zhang, M/ Drs Marmur and Cavusoglu (Cardiology) <a href="mailto:Ketan.Shevde@downstate.edu">Ketan.Shevde@downstate.edu</a>	Active
19. Looking for trends and/ or frequency of root cause analysis cases	SUNY Downstate	Shevde, K <a href="mailto:Ketan.Shevde@downstate.edu">Ketan.Shevde@downstate.edu</a>	Active
20. Calcific valvular disease in end stage renal disease patients; retrospective chart review.	SUNY Downstate	Shevde, K <a href="mailto:Ketan.Shevde@downstate.edu">Ketan.Shevde@downstate.edu</a>	Active
21. Pediatric Mask Induction: Do we still use or need Nitrous Oxide?	SUNY Downstate	Sukiasyan, T. <a href="mailto:tsukiasyanmd@yahoo.com">tsukiasyanmd@yahoo.com</a>	Waiting for IRB approval.
22. The effect of mannitol on the tissue reperfusion injuries after cardiopulmonary bypass surgery (Retrospective)	SUNY Downstate	Svyatets, M <a href="mailto:Mariana.svyatets@downstate.edu">Mariana.svyatets@downstate.edu</a>	Active
23. ACEI/ARB in ambulatory and day-of-surgery patients	LICH	Twersky, RS <a href="mailto:Rebecca.Twersky@downstate.edu">Rebecca.Twersky@downstate.edu</a>	Active
24. Smoking cessation in the perioperative period	SUNY Downstate	Twersky, RS <a href="mailto:Rebecca.Twersky@downstate.edu">Rebecca.Twersky@downstate.edu</a>	Active

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25. Complement Expression Profiles in Human Cord Blood	SUNY Downstate	Velickovic, I. Ivan.Velickovic@downstate.edu	Active
<b>BASIC SCIENCE</b>			
26. Development of novel amnesic agents using a strategy of blocking PKM activity	SUNY Downstate	Cottrell, JE/ Sacktor, T (Dept of Physiology, Pharmacology and Neurology)/ Kass IS <a href="mailto:james.cottrell@downstate.edu">james.cottrell@downstate.edu</a>	Active
27. Does Anesthesia Trigger Apoptosis?	SUNY Downstate	Hartung J/ Cottrell JE	Active
28. Examination of cellular and molecular mechanisms of hypoxia and sevoflurane induced preconditioning in hippocampal brain slices	SUNY Downstate	Kass I <a href="mailto:ira.kass@downstate.edu">ira.kass@downstate.edu</a>	Active
29. Global cerebral ischemia: examine the effect of lidocaine and sevoflurane preconditioning on histology, immunocytochemistry and behavior following global cerebral ischemia	SUNY Downstate	Kass I/ Popp, S/ Cottrell JE <a href="mailto:ira.kass@downstate.edu">ira.kass@downstate.edu</a>	Active
30. Cerebral Ischemia Protection	SUNY Downstate	Kass I <a href="mailto:ira.kass@downstate.edu">ira.kass@downstate.edu</a>	Active
31. Animal models of ischemia: to examine the innate immune responses to ischemia in genetically-modified animals	SUNY Downstate	Zhang, M <a href="mailto:ming.zhang@downstate.edu">ming.zhang@downstate.edu</a>	Active