

## Prof. MERAL KANBAK

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### Education Information

Post Doctorate of Medicine, Hacettepe University, Tıp Fakültesi, Yoğun Bakım, Turkey 2000 - 2012

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Anesteziyoloji Ve Reanimasyon, Turkey 1980 - 1985

Undergraduate, Erciyes University, Gevher Nesibe Tıp Fakültesi, Turkey 1973 - 1980

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Medicine, Health Sciences, Surgery Medicine Sciences, Anesthesiology, Reanimation

### Academic Titles / Tasks

Professor, Hacettepe University, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, 1980 - Continues

### Academic and Administrative Experience

Hacettepe Üniversitesi, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, 2016 - Continues

### Courses

AÇILIŞ DERSİ, Postgraduate, 2017 - 2018

Anestezi stajından beklentiler, Undergraduate, 2017 - 2018

AÇILIŞ DERSİ, Undergraduate, 2016 - 2017

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Incidence of perioperative complications in COVID-19 survivors: Prospective observational clinical trial**  
ÖZEN Ö., ANKAY YILBAŞ A., KANBAK M.  
MEDICINE, no.20, 2024 (SCI-Expanded)
- II. **Comparison of Combined Forced-Air Warming and Circulating-Water-Mattress and Forced-Air Warming Alone in Patients Undergoing Open Abdominal Surgery in Lithotomy Position: a Randomized Controlled Trial**  
ÖZDEMİR YAŞAR P., ÜZÜMCÜGİL F., PAMUK A. G., KANBAK M.  
INDIAN JOURNAL OF SURGERY, vol.84, no.1, pp.72-78, 2022 (SCI-Expanded)
- III. **Effects of sevoflurane and desflurane on microcirculation during non-cardiac surgery**  
ÇİL H., KILIÇASLAN B., Cizmeci E. A., KANBAK M., Ince C.  
KUWAIT MEDICAL JOURNAL, vol.53, no.2, pp.173-178, 2021 (SCI-Expanded)
- IV. **Humanitarian Activities of Interplast Türkiye: 6 Years of Experience in Uzbekistan for Surgical Treatment of Cleft Patients and Related Secondary Deformities**  
ÇALIŞ M., ARAL A. M., SENCAN A., KANBAK M., VARGEL İ., OZGUR F., ISCEN D.  
ANNALS OF PLASTIC SURGERY, vol.77, no.5, pp.494-498, 2016 (SCI-Expanded)
- V. **Tracheal laceration as a complication of out-of-hospital emergency tracheal intubation in a patient with COPD.**  
ÜZÜMCÜGİL F., BABAĞLU G., DENİZCI E., SARICAĞLU F., Kanbak M.  
The American journal of emergency medicine, vol.33, 2015 (SCI-Expanded)
- VI. **Emergency management of aspirated tracheostomy cannula**  
KANTAR B., ÜZÜMCÜGİL F., YILBAS A. A., NADASTEPE O., SÖZEN T., KANBAK M.  
EUROPEAN JOURNAL OF ANAESTHESIOLOGY, vol.31, pp.269, 2014 (SCI-Expanded)
- VII. **Tracheal stent implantation with extracorporeal circulation**  
Erden I. A., AYHAN B., SAYLAN A., AKINCI S. B., ÇELEBİOĞLU B., KANBAK M., AYPAR U.  
TURK GOGUS KALP DAMAR CERRAHISI DERGISI-TURKISH JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY, vol.22, no.1, pp.163-167, 2014 (SCI-Expanded)
- VIII. **Anesthesia for percutaneous transcatheter closure of atrial and ventricular septal defects in pediatric patients**  
KARAGÖZ A., Ankay-Yilbas A., KANBAK M., Tümer M., Ozkutlu S., KARAGÖZ T.  
TURKISH JOURNAL OF PEDIATRICS, vol.55, no.6, pp.628-632, 2013 (SCI-Expanded)
- IX. **The Effect of HES (130/0.4) Usage as the Priming Solution on Renal Function in Children Undergoing Cardiac Surgery**  
AKKUCUK F. G., KANBAK M., AYHAN B., ÇELEBİOĞLU B., AYPAR U.  
RENAL FAILURE, vol.35, no.2, pp.210-215, 2013 (SCI-Expanded)
- X. **Minimum discard volume to obtain reliable activated clotting time from the heparinized arterial line**  
Erden I. A., AYHAN B., OZ G., KANBAK M., ÇELEBİOĞLU B., AYPAR U.  
TURK GOGUS KALP DAMAR CERRAHISI DERGISI-TURKISH JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY, vol.20, no.4, pp.794-798, 2012 (SCI-Expanded)
- XI. **Comparison of the Effects of Sevoflurane, Isoflurane, and Desflurane on Microcirculation in Coronary Artery Bypass Graft Surgery**  
OZARSLAN N. G., AYHAN B., KANBAK M., ÇELEBİOĞLU B., DEMİRCİN M., INCE C., AYPAR U.  
JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA, vol.26, no.5, pp.791-798, 2012 (SCI-Expanded)
- XII. **Anesthesia for percutaneous transcatheter closure of atrial septal defects in adults**  
KARAGOZ H., YILBAS A. A., AYHAN B., KAYA E. B., KANBAK M.  
ANADOLU KARDIOLOJİ DERGISI-THE ANATOLIAN JOURNAL OF CARDIOLOGY, vol.12, no.4, pp.371, 2012 (SCI-Expanded)
- XIII. **The Effects of Sevoflurane Anesthesia and Cardiopulmonary Bypass on Renal Function in Cyanotic and Acyanotic Children Undergoing Cardiac Surgery**  
Oç B., AKINCI S., KANBAK M., Satana E., ÇELEBİOĞLU B., AYPAR U.  
RENAL FAILURE, vol.34, no.2, pp.135-141, 2012 (SCI-Expanded)

- XIV. **Peroperative effects of fresh frozen plasma and antithrombin III on heparin sensitivity and coagulation during nitroglycerine infusion in coronary artery bypass surgery**  
KANBAK M., Oc B., SALMAN M. A., OCAL T., Oc M.  
BLOOD COAGULATION & FIBRINOLYSIS, vol.22, no.7, pp.593-599, 2011 (SCI-Expanded)
- XV. **Sevoflurane Elimination and Hystopathological Changes in Lung, Liver, Kidney and Brain Tissues**  
KANBAK M., Erdem N., AYHAN B., GOKOZ Ö., Bayindir E., SARICAOĞLU F.  
TURKIYE KLINIKLERI TIP BILIMLERI DERGISI, vol.30, no.6, pp.1787-1794, 2010 (SCI-Expanded)
- XVI. **[Entrapment of a Swan-Ganz catheter within the right pulmonary artery ligature during right pneumonectomy].**  
Heves K., Kanbak M., CELEBIOGLU B., AKINCI S., KARA M., DOĞAN R.  
Tuberkuloz ve toraks, vol.57, pp.81-3, 2009 (SCI-Expanded)
- XVII. **Heat Shock Protein70: A New Marker for Subsequent Atrial Fibrillation Development?**  
OC M., UCAR H. I., PINAR A., AKBULUT B., Oc B., AKYON Y., KANBAK M., DOĞAN R.  
ARTIFICIAL ORGANS, vol.32, no.11, pp.846-850, 2008 (SCI-Expanded)
- XVIII. **Heat shock protein70 a new marker for subsequent atrial fibrillation development**  
ÖÇ M. A. H., Uçar H. İ., PINAR A., Akbulut B., ÖÇ B., AKYÖN YILMAZ Y., KANBAK M., DOĞAN R.  
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- XIX. **The perioperative renal function in cyanotic versus acyanotic children undergoing desflurane anesthesia for open-heart surgery**  
Oc B., Kanbak M., AKINCI S. B., SATANA E., AYPAR U.  
SAUDI MEDICAL JOURNAL, vol.28, no.11, pp.1753-1755, 2007 (SCI-Expanded)
- XX. **Heat shock protein 60 antibody A new marker for subsequent atrial fibrillation development**  
ÖÇ M. A. H., uçar H. İ., PINAR A., Akbulut B., ÖÇ B., AKINCI S. B., AKYÖN YILMAZ Y., KANBAK M., Böke E., DOĞAN R.  
Saudi Medical Journal, vol.28, pp.844-7, 2007 (SCI-Expanded)
- XXI. **Renal safety and extrahepatic defluorination of sevoflurane in hepatic transplantations**  
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- XXIII. **An unusual localization of cyst hydatidosis associated with cardiac hydatid disease.**  
DEMIRCIN M., DOĞAN O., Kanbak M.  
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- XXIV. **The effects of isoflurane, sevoflurane, and desflurane anesthesia on neurocognitive outcome after cardiac surgery: A pilot study**  
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- XXV. **Extrahepatic Metabolism and Renal Effects of Sevoflurane in a Case of Liver Transplantation**  
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- XXVI. **Effect of neostigmine on organ injury in murine endotoxemia: Missing facts about the cholinergic anti inflammatory pathway**  
AKINCI S., ULU N., YONDEM O., FIRAT P., GUC M. O., Kanbak M., AYPAR U.  
WORLD JOURNAL OF SURGERY, vol.29, no.11, pp.1483-1489, 2005 (SCI-Expanded)
- XXVII. **Remifentanil versus fentanyl for short-term analgesia-based sedation in mechanically ventilated postoperative children**  
AKINCI S., Kanbak M., GULER A., AYPAR U.  
PEDIATRIC ANESTHESIA, vol.15, no.10, pp.870-878, 2005 (SCI-Expanded)
- XXVIII. **Inaccuracy of coagulation studies performed on blood samples obtained from arterial catheter**  
AKINCI S., SALMAN N., AYKUT T., Kanbak M., AYPAR U.  
JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA, vol.19, no.5, pp.702-703, 2005 (SCI-Expanded)

- XXIX. **Analgesic effect of intra-articular tramadol compared with morphine after arthroscopic knee surgery**  
AKINCI S., SARICAOGLU F., ATAY O., DORAL M. N., Kanbak M.  
ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY, vol.21, no.9, pp.1060-1065, 2005 (SCI-Expanded)
- XXX. **Magnesium sulfate pretreatment reduces myoclonus after etomidate**  
GULER A., SATILMIS T., AKINCI S., CELEBIOGLU B., Kanbak M.  
ANESTHESIA AND ANALGESIA, vol.101, no.3, pp.705-709, 2005 (SCI-Expanded)
- XXXI. **Malposition of internal jugular catheter into internal mammarian vein in coronary artery bypass grafting**  
Kanbak M., Karagoz A. H., OC M., UCAR İ., Celebioglu B., Dogan R.  
EUROPEAN JOURNAL OF ANAESTHESIOLOGY, vol.22, no.5, pp.399-400, 2005 (SCI-Expanded)
- XXXII. **S100 beta and postcardiac surgery neurological dysfunction: reasons to disregard any link - Reply**  
Kanbak M., SARICAOGLU F., OCAL T.  
CANADIAN JOURNAL OF ANAESTHESIA-JOURNAL CANADIEN D ANESTHESIE, vol.52, no.4, pp.442-443, 2005 (SCI-Expanded)
- XXXIII. **Lack of effect of N-acetylcysteine treatment to ameliorate the progression of multiple organ failure**  
AKINCI S., ERDEN I., Kanbak M., AYPAR U.  
SAUDI MEDICAL JOURNAL, vol.26, no.4, pp.651-655, 2005 (SCI-Expanded)
- XXXIV. **S100 $\beta$  and postcardiac surgery neurological dysfunction: Reasons to disregard any link (multiple letters) [6]**  
GROCOTT H. P., KANBAK M., SARICAOĞLU F., OCAL T.  
Canadian Journal of Anesthesia, vol.52, no.4, pp.441-443, 2005 (SCI-Expanded)
- XXXV. **Refractory hypotension in a patient chronically treated with a long acting angiotensin-converting enzyme inhibitor**  
AKINCI S., AYHAN B., Kanbak M., AYPAR U.  
ANAESTHESIA AND INTENSIVE CARE, vol.32, no.5, pp.722-723, 2004 (SCI-Expanded)
- XXXVI. **Propofol offers no advantage over isoflurane anesthesia for cerebral protection during cardiopulmonary bypass: a preliminary study of S-100 $\beta$  protein levels**  
Kanbak M., SARICAOGLU F., AVCI A., OCAL T., KORAY Z., AYPAR U.  
CANADIAN JOURNAL OF ANAESTHESIA-JOURNAL CANADIEN D ANESTHESIE, vol.51, no.7, pp.712-717, 2004 (SCI-Expanded)
- XXXVII. **Rhabdomyolysis after intraoperative myelography**  
CANBAY O., BAL N., AKINCI S. B., Kanbak M., AYPAR O.  
PEDIATRIC ANESTHESIA, vol.14, no.6, pp.509-513, 2004 (SCI-Expanded)
- XXXVIII. **Perioperative neutropenia**  
AKINCI S., AYKUT T., GOZACAN A., Kanbak M., OZGEN S., AYPAR U.  
EUROPEAN JOURNAL OF ANAESTHESIOLOGY, vol.21, no.1, pp.76-78, 2004 (SCI-Expanded)
- XXXIX. **A background infusion of morphine does not enhance postoperative analgesia after cardiac surgery**  
DAL D., Kanbak M., CAGLAR M., AYPAR U.  
CANADIAN JOURNAL OF ANAESTHESIA-JOURNAL CANADIEN D ANESTHESIE, vol.50, no.5, pp.476-479, 2003 (SCI-Expanded)
- XL. **Inadvertent placement of pulmonary artery catheter into right carotid artery**  
Kanbak M., OCAL T.  
CANADIAN JOURNAL OF ANAESTHESIA-JOURNAL CANADIEN D ANESTHESIE, vol.47, no.5, pp.460-462, 2000 (SCI-Expanded)
- XLI. **Time course of neurone-specific enolase and S-100 protein release during and after coronary artery bypass grafting**  
Kanbak M., OCAL T.  
BRITISH JOURNAL OF ANAESTHESIA, vol.83, no.3, pp.531-532, 1999 (SCI-Expanded)
- XLII. **Massive intraoperative pulmonary embolism: With succinylcholine or not?**

- Kanbak M.  
ANESTHESIA AND ANALGESIA, vol.88, no.6, pp.1423, 1999 (SCI-Expanded)
- XLIII. **Psychomotor recovery performance and postoperative attention scores in pediatric outpatient anesthesia: Alfentanil-Propofol versus Halothane-Nitrous Oxide**  
ISBIR O., OCAL T., Kanbak M., HACETTEPE U.  
BRITISH JOURNAL OF ANAESTHESIA, vol.82, pp.11-12, 1999 (SCI-Expanded)
- XLIV. **Cerebral injury assessed by s-100 beta protein and neuropsychologic tests after coronary artery bypass surgery**  
Kanbak M., Avci A., Yener F., Koramaz I., Aypar U.  
BRITISH JOURNAL OF ANAESTHESIA, vol.82, pp.88-89, 1999 (SCI-Expanded)
- XLV. **The treatment of heparin resistance with Antithrombin III in cardiac surgery**  
Kanbak M.  
CANADIAN JOURNAL OF ANAESTHESIA-JOURNAL CANADIEN D ANESTHESIE, vol.46, no.6, pp.581-585, 1999 (SCI-Expanded)
- XLVI. **Phenylephrine, dopamine, mannitol, and renal protection during cardiopulmonary bypass**  
Kanbak M.  
ANESTHESIA AND ANALGESIA, vol.87, no.6, pp.1458-1459, 1998 (SCI-Expanded)
- XLVII. **Heparin resistance, antithrombin III treatment, and activated clotting time values**  
Kanbak M.  
ANESTHESIA AND ANALGESIA, vol.87, no.5, pp.1215, 1998 (SCI-Expanded)
- XLVIII. **Tourniquet release time and analgesic effects of intraarticular morphine**  
Kanbak M.  
ANESTHESIA AND ANALGESIA, vol.86, no.5, pp.1150, 1998 (SCI-Expanded)
- XLIX. **Ketamine in porphyria**  
Kanbak M.  
ANESTHESIA AND ANALGESIA, vol.84, no.6, pp.1395, 1997 (SCI-Expanded)
- L. **The effect of acute normovolemic hemodilution on homologous blood requirements and total estimated red blood cell volume lost**  
Kahraman S., Altunkaya K., Celebioglu B., Kanbak M., Pasaoglu I., Erdem K.  
ACTA ANAESTHESIOLOGICA SCANDINAVICA, vol.41, no.5, pp.614-617, 1997 (SCI-Expanded)
- LI. **Intraarticular morphine administration provides pain relief after knee arthroscopy**  
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- LII. **Prophylactic administration of histamine 1 and/or histamine 2 receptor blockers in the prevention of heparin- and protamine-related haemodynamic effects**  
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ANAESTHESIA AND INTENSIVE CARE, vol.24, no.5, pp.559-563, 1996 (SCI-Expanded)
- LIII. **COMPARISON OF HALOTHANE, ENFLURANE AND ISOFLURANE KIDNEY EFFECTS THROUGH ALANINE AMINOPEPTIDASE URINE CREATININE VALUES**  
DURAL O., KANBAK M., CILIV G., AYPAR U., ERDEM K.  
ANAESTHESIA AND INTENSIVE CARE, vol.23, no.2, pp.162-164, 1995 (SCI-Expanded)
- LIV. **Postoperative effect of intraarticular morphine 1 and 5 mg on pain in arthroscopies**  
KANBAK M., AKPOLAT N., OCAL T., DORAL M., ERDEMLI M., ERDEM K.  
Agri Dergisi, vol.6, no.1, pp.21-24, 1994 (SCI-Expanded)
- LV. **Comparison of the effect of propofol and thiopentone on the haemodynamic parameters and blood gases in coronary bypass surgery**  
KANBAK M., ÇELEBİOĞLU B., KAHRAMAN S., EROL U., AYPAR U.  
Journal of Cardiothoracic and Vascular Anesthesia, vol.6, pp.53, 1992 (SCI-Expanded)

## Articles Published in Other Journals

- I. **High-Frequency Jet Ventilation in Tracheal Surgery**  
İZGİ M., ÖZKAN S., DAĞHAN G., BAL E. O., ÖZEN Ö., KANBAK M.  
Anestezi Dergisi, vol.31, pp.228-229, 2023 (Scopus)
- II. **Experience with Tritube and Flow-Controlled Ventilation During Airway Surgery**  
ANKAY YILBAŞ A., MELEK A., CANBAY Ö., KANBAK M.  
TURKISH JOURNAL OF ANAESTHESIOLOGY AND REANIMATION, vol.49, no.3, pp.269-270, 2021 (ESCI)
- III. **Overnight hospital stay and/or extended recovery period may allow long-duration oral and maxillofacial surgeries in the operating room of a dental hospital in an outpatient setting: a single-center experience**  
ÜZÜMCÜGİL F., YILBAS A. A., AKÇA B., OZKARAGOZ D. B., ADILOĞLU S., TUZ H. H., KANBAK M.  
JOURNAL OF THE KOREAN ASSOCIATION OF ORAL AND MAXILLOFACIAL SURGEONS, vol.46, no.2, pp.125-132, 2020 (ESCI)
- IV. **Chronic renal disease and anesthetic management Kronik böbrek hastalığı ve anestezi yönetimi**  
AKÇA B., ANKAY A. Y., KANBAK M.  
Anestezi Dergisi, vol.24, no.1, pp.2-7, 2016 (Scopus)
- V. **Chronic renal disease and anesthetic management**  
AKÇA B., ANKAY A. Y., KANBAK M.  
ANESTEZİ DERGİSİ, vol.24, no.1, pp.2-7, 2016 (Scopus)
- VI. **Torakomyoplasti Cerrahisinde Anestezi Yönetimimiz**  
ANKAY YILBAŞ A., AKÇA B., DENİZCI E., KILIÇER ŞAHINOĞLU T., UYSAL S., KANBAK M., ÇELEBİOĞLU B.  
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- VII. **The effects of hydroxyethyl starch (130/0.4) versus lactated ringer solution on coagulation parameters in cyanotic children undergoing cardiopulmonary bypass: A randomized trial**  
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- VIII. **Anesthetic management of thoracomyoplasty procedure Torakomyoplasti cerrahisinde anestezi yönetimimiz**  
ANKAY YELBAŞ A., KANTAR B., DENİZCI E., KILIÇER ŞAHINOĞLU T., UYSAL S., KANBAK M., ÇELEBİOĞLU B.  
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- IX. **Transkateter aortik kapak implantasyonu: Bir umut mudur?**  
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- X. **Comparison of the effects of sevoflurane, desflurane and isoflurane against ischaemia/reperfusion injury in open heart surgery Açık kalp cerrahisinde uygulanan sevofluran, desfluran ve izofluranın iskemi-reperfüzyon hasarı üzerine etkilerinin karşılaştırılması**  
ULUBAY Z. Ö., AYHAN B., KANBAK M., ÇELEBİOĞLU B., AYPAR Ü.  
Anestezi Dergisi, vol.21, no.2, pp.125-134, 2013 (Scopus)
- XI. **Renal functional effects of using N-Acetyl-Cysteine (NAC) in cardiac surgery**  
AYHAN B., PAMUK A. G., KANTAR B., KANBAK M., ÇELEBİOĞLU B., AYPAR Ü.  
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- XII. **Yapışık ikizlerde anestezi uygulaması**  
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Anestezi Dergisi, vol.17, no.2, pp.107, 2009 (Scopus)
- XIII. **Assessment of the effects of hypertonic saline and hydroxyethyl starch on hemodynamic parameters and coagulation for hypervolemic hemodilution Hipervolemik hemodilüsyonda, hipertonic (% 3'lük) NaCl solüsyonu ve % 6'lık hidroksi etil nişasta 130/0,4'ün hemodinami ve koagülasyon etkilerinin değerlendirilmesi**  
AKINCI S. B., SARICAOĞLU F., DAL D., EREM Y., ATILLA B., ÖZCEBE O., KANBAK M., AYPAR Ü.  
Turk Anesteziyoloji ve Reanimasyon Dernegi Dergisi, vol.37, no.5, pp.287-295, 2009 (Scopus)

- XIV. **Stressful experiences in mechanical ventilated patients Mekanik ventilasyondaki hastalarda stres yaratan deneyimler**  
AKINCI S. B., KANBAK M., Güler A., CANBAY Ö., AYPAR Ü.  
Turk Anesteziyoloji ve Reanimasyon Dernegi Dergisi, vol.35, no.5, pp.320-328, 2007 (Scopus)
- XV. **The effect of remifentanyl and desflurane on pancreatitis with pancreas associated protein in open heart surgery**  
ÇELEBİOĞLU B., KARAGÖZ A. H., KANBAK M., HASÇELİK A. G.  
Turk Anesteziyoloji ve Reanimasyon Dernegi Dergisi, 2007 (Peer-Reviewed Journal)
- XVI. **The myocardial protective effects of esmolol or glutamate aspartate solution in open heart surgery Açık kalp cerrahisinde kardiyoplejiye eklenen esmolol veya glutamat-aspartatin miyokardiyal koruma üzerine Etkisi**  
KARAGÖZ A. H., ÇELEBİOĞLU B., Duman Ü., Oğuzalp H., Köse E. A., KANBAK M.  
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- XVII. **The effect of halothane, isoflurane, sevoflurane and propofol infusion on renal function after coronary artery bypass surgery.**  
SARICAOĞLU F., AKINCI S., OÇ B., Kanbak M., AKBULUT B., CELEBIOGLU B.  
Middle East journal of anaesthesiology, vol.18, pp.955-64, 2006 (Peer-Reviewed Journal)
- XVIII. **The use of tissue glue and its effect on hospital cost in patients undergoing pulmonary surgery**  
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- XIX. **The use of tissue glue and its effect on hospital cost in patients undergoing pulmonary surgery**  
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