

Curriculum Vitae

Junsik Kwon, M.D., PhD.

Current Faculty Position	Associate Professor of Surgery
Academic Department	Department of General Surgery Division of Trauma
Date of Birth	January 23, 1982
Place of Birth	Seoul, Republic of Korea
Citizenship	Republic of Korea
Marital Status	Married, Eunmi Bae
Office Address	16499 Ajou University Medical Center 164, World Cup-ro, Yeongtong-gu Suwon, Republic of Korea

Education and Training (Graduate and Postgraduate)

2000 - 2006	Medical School Yonsei University college of Medicine Seoul, Republic of Korea
2006 – 2011	Postgraduate Training (Internship – Residency) General Surgery Seoul National University Hospital Seoul, Republic of Korea
2017	Master's Degree Ajou University School of Medicine & Graduate

	School of Medicine, Suwon, Republic of Korea
	Thesis Subject: <i>Clinical application of Diaphragmatic Height Index for diagnosis of traumatic diaphragmatic hernia</i>
2025	Doctoral Degree
	Ajou University School of Medicine & Graduate School of Medicine, Suwon, Republic of Korea
	Thesis Subject: <i>Benchmarking the Quality of Trauma Care in South Korea through Risk-Adjusted Mortality: An International Comparison</i>
2011 - 2013	Clinical Fellowship
	Division of Trauma, Department of Surgery, Ajou University Medical Center
2023 - 2024	Visiting Scholar
	Comparative Effectiveness and Clinical Outcomes Research Center (CECORC) - Riverside University Health System Medical Center.

Certification and Licensure

August 28, 2014	USMLE Step 1
February 11, 2015	USMLE Step 2 CK
September 14, 2015	USMLE Step 2 CS
May 18, 2016	USMLE Step 3
February 16, 2006	Korean Medical license
March 2, 2011	Received Board Certification in Surgery
February 8, 2014	Received Board Certification in Trauma Surgery

Faculty Appointments

2016 – 2019	Clinical Assistant Professor of Surgery – Division
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	of Trauma, Department of Surgery, Ajou University Medical Center
2020 – 2023	Assistant Professor of Surgery – Division of Trauma, Department of Surgery, Ajou University Medical Center
2024 - present	Associate Professor of Surgery – Division of Trauma, Department of Surgery, Ajou University Medical Center
2013 – 2016	Military Duty Army Surgeon, Captain – Department of Surgery, Armed Forces Capital hospital, Seongnam, Republic of Korea

Professional Activities in hospital

2021 - Present	PI director in Trauma Center
2021 - Present	Member of the Transfusion Management Committee
2022 - Present	President of Nutritional Support Team

External Professional Activities

2020 – Present	Vice Director, Gyeonggi Trauma Systems Organization
2021 - Present	International member of the Education and Social Media Group for the Journal of Trauma and Acute Care Surgery

Honors

2018	Ministerial Citation, Minister of Health and Welfare, Korea
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2022	Provincial Governor Commendation, Gyeonggi-do, Korea
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Grants

2022	Korean Society for Parenteral and Enteral Nutrition: Improving nutrition support for trauma patients through introduction of volume-based feeding protocol
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2023	Korean Society for Parenteral and Enteral Nutrition: A multicenter study on the diagnosis of sarcopenia using the skeletal muscle index and its effect on the mortality rate of elderly trauma patients
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Committee, Organizational, and Volunteer Service

2014 – Present	Local evaluation committee member of regional trauma center
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2022	Korean Surgical Society Specialist Examination Item Development Member
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2022 – Present	Representative of the Korean Society of Traumatology
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2016 – Present	Member of the Editorial Board of the Korean Society of Traumatology
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2018 – Present	Member of the Korean Traumatology Society Academic Committee
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2021 – Present	Member of the Korean Society of Traumatology Training Committee
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2022 – Present	Member of the Korean Society of Traumatology Policy Committee
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2021 – Present	Member of the Training committee of Korean
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2021 – Present	Society of Acute Care Surgery Member of the Finance committee of Korean Society of Acute Care Surgery
2022 – Present	Member of the Ethics Committee of the Korean Society of Surgical Metabolism and Nutrition

Volunteering

March, 2018	Pan-Pacific Partnership Medical Operation at Bengkulu of Indonesia with USNS Mercy (DSS team member)
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Research activities

2024	Development and Validation of an AI-Based Comprehensive Trauma Care System
2024, 2025	Golden Hour to Prevent Preventable Deaths in Patients with Abdominal Trauma Requiring Emergency Operation
2024, 2025	A multicenter study on the diagnosis of sarcopenia using the skeletal muscle index and its effect on the mortality rate of elderly trauma patients
2022	AI voucher project: Data-X framework construction researcher for AI-based trauma treatment quality management system advancement
2022	Korean TRISS Development Research
2022, 2023, 2024, 2025	A Study on the Establishment of Massive Transfusion Cohort for Korean Trauma Patients
2022	ADL assessment tool and rehabilitation need assessment scale development research

2021-2022	Preparation of patient blood management support tool and pilot project research
2020, 2021, 2022	Preventable Trauma Mortality Survey in Gyeonggi-do
2019, 2021	National Preventable Trauma Mortality Research
2019	A study on Korean trauma quality management.
2018	National Project for the mid- to long-term development plan of emergency medical care (the 3rd Basic Plan for Emergency Medical Care)
2017	Development of trauma standard practice guidelines

Membership in Professional Societies

2011 – Present	Korean Surgical Society
2014 - Present	The Korean Society of Traumatology
2014 - Present	Korean Society of Acute Care Surgery
2022 - Present	The Korean Society of Surgical Metabolism and Nutrition
2014 - Present	The Korean Society of Critical Care Medicine
2021 - Present	Korean Society for Parenteral and Enteral Nutrition
2016 - Present	The Korean Society of Nephrology

Published Work

Articles

2025	Trends in Preventable Trauma Death Rates in Korea: A Follow-Up Study of the Trauma System's Performance Article. Journal of Korean medical science. (Co-author)
	Impact of Qualified Trauma Center Implementation on Mortality From Severe Trauma in Korea: A Retrospective

2025	Cohort Study. Journal of Korean medical science. (1st) Damage control does not offer a survival advantage and increases the risk of serious complications compared with early total care in severely injured patients with femoral shaft fractures. J Trauma Acute Care Surg. (Co-author)
2025	Cost-effectiveness and clinical outcomes comparison between noninvasive ventilation and high-flow nasal cannula use in patients with multiple rib fractures. J Trauma Acute Care Surg. (1st)
2025	The Impact of Delayed Intubation on Outcomes and Resource Utilization of Patients Sustaining Multiple Rib Fractures. The American surgeon. (1st)
2025	Development and Validation of a Korean Trauma and Injury Severity Score (K-TRISS) Model for Predicting Trauma Outcomes. Journal of Korean medical science. (Co-author)
2025	Fluid resuscitation in trauma: What you need to know. J Trauma Acute Care Surg. (Co-author)
2025	Comparison of Timing of Definitive Pelvic Fixation in Pelvic Fracture Treated with Preperitoneal Pelvic Packing or Angioembolization. Journal of the American College of Surgeons. (1st)
2024	Conventional versus Instillation Negative-Pressure Wound Therapy for Severe Soft Tissue Injury in Open Pelvic Fractures: A Retrospective Review. Yonsei Med J. (Co-author)
2024	The last chain of trauma survival: development of a scale for trauma-rehabilitation linkage in South Korea using a systematic review and expert consensus. Ann Surg Treat Res. (Co-author)
2024	Outcomes Comparison of Endovascular and Open Surgical Approaches for Subclavian Arterial Injury: A Nationwide Analysis. Annals of Vascular Surgery. (Co-author)

2024	Impact of Procedure Risk vs Frailty on Outcomes of Elderly Patients Undergoing Emergency General Surgery: Results of a National Analysis. J Am Coll Surg. (Co-author)
2024	Fat embolism syndrome after trauma: What you need to know. J Trauma Acute Care Surg. (1st)
2024	Predictors of massive transfusion protocols activation in patients with trauma in Korea: a systematic review. Journal of Trauma and Injury (Co-author)
2024	Procedure Risk vs Frailty in Outcomes for Elderly Emergency General Surgery Patients: Results of a National Analysis. Journal of the American College of Surgeons (Co-author)
2024	Deaths After Readmissions are Mostly Attributable to Failure-to-Rescue in EGS Patients. The American surgeon (Co-author)
2024	Impact of a Rounding Checklist Implementation in the Trauma Intensive Care Unit on Clinical Outcomes. Healthcare (Co-author)
2023	Is The Modified Nutrition Risk In The Critically Ill(mNUTRIC) Score A Useful Method For Screening Traumatic ICU Patients? Clinical Nutrition ESPEN (Corresponding)
2023	Trauma system establishment and outcome improvement: A retrospective national cohort study in South Korea. International Journal of Surgery (1 st)
2023	Iso-caloric nutritional support reduces ventilator duration time in major trauma patients. Nutrition & Dietetics (Co-author)
2023	Implementation of the 'Fast Hugs Bid' Checklist Improves Clinical Outcomes in the Trauma Intensive Care Unit: A Retrospective Observational Study. Social Science Research Network (SSRN) (Co-author)
2023	Evaluation of the Potential for Improvement of Clinical Outcomes in Trauma Patients with Massive Hemorrhage

	by Maintaining a High Plasma-to-Red Blood Cell Ratio during the First Hour of Hospitalization. Emergency Medicine International (1 st)
2023	National Assessment of Opportunities for Improvement in Preventable Trauma Deaths: A Mixed-Methods Study. Healthcare (1 st)
2023	Understanding Regional Trauma Centers and managing a trauma care system in South Korea: a systematic review. Annals of Surgical Treatment and Research (Corresponding)
2023	Comparison of a volume-based feeding protocol with standard feeding for trauma patients in intensive care units in Korea: a retrospective cohort study. Annals of Clinical Nutrition and Metabolism (Corresponding)
2023	Management strategy for open pelvic fractures: A 11-year single-centre, retrospective observational study. Injury (Co-author)
2023	Ketamine versus Etomidate for Rapid Sequence Intubation in Patients with Trauma: A Retrospective Study in a Level 1 Trauma center in Korea. Research Square (Co-author)
2022	National Follow-up Survey of Preventable Trauma Death Rate in Korea. Journal of Korean medical science (1 st)
2022	Nutritional assessment formulae for nutritional requirement determination in severe trauma. Asia Pacific Journal of Clinical Nutrition (1 st)
2022	Association of the initial level of enteral nutrition with clinical outcomes in severe and multiple trauma patients. Journal of Nutrition and Health (Corresponding)
2022	The Status of Protein Supply to Patients in the Trauma and Surgical Intensive Care Units and the Effects of Feedback on Protein Supply: A Multicenter Study. Journal of Acute Care Surgery (Co-author)
2022	Improvement of mortality in severe liver injury after trauma center implementation: a propensity-score

	matched study. European Journal of Trauma and Emergency Surgery (Co-author)
2022	Accuracy of Focused Assessment with Sonography for Trauma (FAST) in Blunt Abdominal Trauma. Emergency Medicine International (Co-author)
2022	Changes in the characteristics of trauma patients after the early COVID-19 outbreak: A retrospective study of a regional level 1 trauma center in Republic of Korea. Medicine (Co-author)
2022	Management of complex pelvic-perineal soft tissue infection in open pelvic fractures: Comparison between conventional and modified instillation negative-pressure wound therapy. Research Square (Co-author)
2022	National trauma system establishment based on implementation of regional trauma centers improves outcomes of trauma care: A follow-up observational study in South Korea. GLOBAL PUBLIC HEALTH (Co-author)
2021	An Evaluation of the Effect of Performance Improvement and Patient Safety Program Implemented in a New Regional Trauma Center of Korea. Journal of Korean medical science (Co-author)
2020	Systematic Preventable Trauma Death Rate Survey to Establish the Region-based Inclusive Trauma System in a Representative Province of Korea. Journal of Korean medical science (1 st)
2020	Early re-laparotomy for patients with high-grade liver injury after damage-control surgery and perihepatic packing. SURGERY TODAY (corresponding)
2020	Distribution of Trauma Deaths in a Province of Korea: "Is Trimodal Distribution Relevant Today?" YONSEI MEDICAL JOURNAL (Co-author)
2020	Clinical Practice Guideline for the Treatment of Traumatic Shock Patients from the Korean Society of

	Traumatology. Journal of Trauma and Injury (Co-author)
2019	Analysis of the need for surgery for different anatomical locations of splenic injury and radiologic intervention. Clinical Anatomy (Corresponding)
2019	Diagnostic significance of diaphragmatic height index in traumatic diaphragmatic rupture. Annals of Surgical Treatment and Research (1 st)
2019	Sign of Life is associated with Return of Spontaneous Circulation After Resuscitative Thoracotomy: Single Trauma Center Experience of Republic of Korea. World journal of Surgery (Co-author)
2018	Timing and Associated Factors for Sepsis-3 in Severe Trauma Patients: A 3-Year Single Trauma Center Experience. Acute Critical Care (Co-author)
2018	Rare Imaging of Fat Embolism Seen on Computed Tomography in the Common Iliac Vein after polytrauma. Journal of Trauma and Injury (Co-author)
2018	Splenic Auto-transplantation after Blunt Spleen Injury in Children. Journal of Trauma and Injury (Co-author)
2018	Effectiveness of the Trauma Team-Staffed Helicopter Emergency Medical Service. Health Policy and Management (Co-author)
2017	Implementation of Trauma Center and Massive Transfusion Protocol Improves Outcomes for Major Trauma Patients: A Study at a Single Institution in Korea. World Journal of Surgery (Co-author)
2017	Efficacy of Uncross-Matched Type O Packed Red

	Blood Cell Transfusion to Traumatic Shock Patients: a Propensity Score Match Study. Journal of Korean Medical Science. (Co-author)
2016	The Best Prediction Model for Trauma Outcomes of the Current Korean Population: a Comparative Study of Three Injury Severity Scoring Systems. Korean journal of critical care medicine (Corresponding)
2014	Bone scan as a screening test for missed fractures in severely injured patients. Orthopaedics & Traumatology: Surgery & Research (Corresponding)
2012	Management of blunt pancreatic injury by applying the principles of damage control surgery: experience at a single institution. Hepatogastroenterology (Co-author)
2011	Experience with the Treatment of Patients with Major Trauma at the Department of Trauma Surgery in One Regional Emergency Medical Center for One Year. Journal of Trauma and Injury (Co-author)
2010	Overexpression of p53, Mutation of hMLH1 and Microsatellite Instability in Gastric Carcinomas: Clinicopathologic Implications and Prognosis. Journal of Korean Surgical Society (1 st)
2010	Case report A case of gangliocytic paraganglioma in the ampulla of Vater. World Journal of Surgical Oncology (1 st)
2009	Validation of POSSUM-physiological Score as Predictors of Post-operative Morbidity and Mortality after Emergency Operation for Peptic Ulcer Complications. Journal of Korean Surgical

Society (Co-author)

Clinical Practice Guideline

2018 Korean Standard Trauma Care guideline (Co-author)

Book Chapter

2025 Management of Inferior Vena Caval Injuries.
(Decision Making of Vascular Trauma)

Other articles

2021 Establishment of Regional Trauma Center and
Necessity of Introduction of Trauma Treatment
Quality Management Program. Public health
INSIGHT

Presentations

2024 Abdominal Injury. Annual Meeting of American
Association for the Surgery of Trauma, AAST

2024 A COMPARISON OF TIMING OF DEFINITIVE
PELVIC FIXATION IN PELVIC FRACTURES TREATED
WITH PREPERITONEAL PELVIC PACKING OR
ANGIOEMBOLIZATION. Annual Meeting of
Western Trauma Association, WTA

2022 New technology for golden hour. The 43th Annual
Congress of Korean Society of Critical Care
medicine (KSCCM-ACCC 2022)

2022 Trauma Surgeon's role – in Doctor heli. Annual
Congress of Korean Society of Acute Care Surgery

2022 Gyeonggi Province Trauma System Support
Group-Regional Trauma Cooperation Hospital.
Ajou Trauma Symposium

2022 Feeding care for elderly patients. Annual Congress

	of the Korean Surgical Geriatric Medical Research Association
2022	Evaluation of Nutrition Support for Critically Ill Trauma Patients at One Trauma Center. Poster session of the Korean Society of Surgical Metabolism and Nutrition (KSPEN)
2022	Is the modified Nutrition Risk in the Critically ill(mNUTRIC) Score a useful method for screening traumatic ICU patients? Poster presentation for European Society for Clinical Nutrition and Metabolism (ESPEN Congress 2022)
2022	Gyeonggi-do Trauma System Establishment Experience. Wonju Regional Trauma System Establishment Symposium.
2022	Swollen Belly (hemorrhagic shock). Annual Congress of the Korean Surgical Society (ACKSS 2022)
2022	Procedural Sedation and Analgesia. Gyeonggi-Incheon Regional Trauma Center Conference.
2021	Comparison of Predictive Formulas of Nutritional Requirement for Traumatized Patients. The 18th Annual Congress of Korean Society for Parenteral and Enteral nutrition & 2019 International symposium. (BEST POSTER AWARD)
2020	Massive Transfusion Protocol. The 18 th Annual Congress of Korean Society of Acute Care Surgery
2020	Massive Transfusion Protocol. The 35th Annual Meeting of KST with International Session - Hybrid Symposium (Co-hosted by AFMC)
2020	Multidisciplinary Approach to Treatment of Severe Trauma Patients. The 7 th Korean Association for Research, Procedures and Education on Trauma

	Conference
2018	Clinical application of Diaphragmatic Height Index for diagnosis of traumatic diaphragmatic hernia. The annual SWAN Trauma, Critical Care, Critical Care & Emergency Surgery Conference
2017	Vascular Access in shock Patients. The 5 th Pan-Pacific Trauma Congress 2017 Korea

Lectures

2014 - Present	Case Conference for Local Emergency Medical Technician
2020 - Present	Ajou Trauma Resuscitation Conference
2021 - Present	Lecture for new firefighters at Gyeonggi Fire Academy
2016 - Present	Tutor of Korean Trauma Assessment and Treatment provider course
2020 - Present	Surgery skills education tutor (FAST) from the Korean Surgical Society