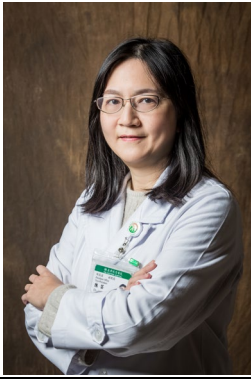


CV of ASSMN 2024 Invited Faculty



Yun Chen

Country

Taiwan

Position & Organization

Professor, Far Eastern Memorial Hospital, Graduate Institute of Medicine, Yuan Ze University

Major Field

Small bowel transplantation, Pediatric Surgery

Short Bio (in 300 words)

Dr. Yun Chen is a distinguished figure in the medical field, currently serving as the Vice President at Far Eastern Memorial Hospital and a Professor at the Graduate Institute of Medicine, Yuan-Ze University. With a medical and doctoral degree from National Taiwan University, Dr. Chen has built a substantial career in pediatric surgery and transplantation medicine, reflected in her extensive postdoctoral training and numerous leadership roles at top institutions.

Her clinical expertise is complemented by a prolific research career focused on small intestinal transplantation, immunological tolerance, and various innovative therapies in pediatric surgery. Dr. Chen is renowned for being the first to perform a small bowel transplantation in Taiwan on 2007, as well as being the first pediatric surgeon in the country to execute a living-donor intestinal transplant on 2023. She has successfully performed 38 small bowel transplantations, including two from live donors, achieving commendable outcomes. Her work has been widely published, with significant contributions to the understanding and advancement of intestinal stem cell research and neuroblastoma treatments among others. Dr. Chen has received numerous accolades throughout her career, including repeated recognition as Best Teacher at Far Eastern Memorial Hospital and prestigious awards for her educational and medical contributions to the field.

Dr. Chen's professional memberships in multiple medical associations, alongside her consistent involvement in medical education and departmental leadership, underline her commitment to improving healthcare through both practice and education. Her role in developing and guiding successful teams

	in intestinal transplantation has also been recognized with multiple awards, demonstrating her pivotal role in advancing medical science and treatment.
--	---------------------------------------------------------------------------------------------------------------------------------------------------------

Nutrition for Small Intestine Transplantation: Integrating Perioperative and Post-Operative Care

Yun Chen, Chia-Chee Weng, Marco Ha, Chee-Chee Koh

Department of Surgery, Far Eastern Memorial Hospital, New Taipei City, Taiwan

Objective:

This presentation aims to explore the critical role of nutrition in the perioperative and post-operative management of small intestine transplantation, a procedure vital for patients with irreversible intestinal failure. The focus will be on how tailored nutritional strategies, informed by recent clinical advances, can significantly influence patient outcomes, particularly in preventing graft rejection, enhancing graft survival, and improving overall recovery.

Methods:

The study reviews recent clinical data from small intestine transplantation cases, including Taiwan's first report of living donor intestinal transplantation (LD-ITx). It also integrates findings from relevant literature on the impact of nutrition during the perioperative and post-operative phases of care. Nutritional strategies employed included the transition from parenteral to enteral nutrition, administration of specialized diets to optimize immune function, and careful monitoring of nutritional status to mitigate the risks associated with immunosuppressive therapy. Key perioperative measures included preoperative nutritional assessments and individualized dietary planning. The six-month survival rate without graft rejection, observed in Taiwan's cases, stood at 85%, a testament to the effectiveness of these integrated approaches.

Results:

Evidence from both clinical practice and literature indicates that perioperative nutritional optimization is crucial in reducing the incidence of post-operative complications and improving long-term graft survival. Patients receiving comprehensive nutritional support demonstrated a 15% reduction in post-operative complications and exhibited better recovery outcomes. Literature suggests that early and continuous nutritional intervention can reduce the incidence of acute rejection by optimizing the patient's metabolic state

and immune function during the critical early post-transplant period.

Conclusion:

The study highlights the indispensable role of nutrition in both perioperative and post-operative care of small intestine transplant patients. Effective nutritional management, informed by both clinical experience and current literature, supports graft survival, reduces complications, and enhances patient quality of life. These findings underscore the need for ongoing research, multidisciplinary collaboration, and the integration of nutrition into the broader care strategy for small intestine transplantation.

Keywords: Small Intestine Transplantation, Nutrition, Perioperative Care, Post-Operative Care, Graft Survival, Immunosuppression