Necrotizing pancreatitis occurs in one-fifth of patients with severe acute pancreatitis and is associated with high mortality, particularly when secondary infection results in sepsis and organ failure.\(^1,2\) Considering open necrosectomy is associated with high rates of post-surgical complications and mortality, alternative techniques that incorporate a step-up approach of endoscopic transluminal drainage or percutaneous catheter placement with subsequent endoscopic or minimally invasive debridement have been advocated. These new treatment approaches have significantly reduced the rates of disease and procedure-related morbidity and mortality.\(^3\)

The majority of data on walled-off necrotic collections are derived from the context of clinical investigations or collected retrospectively. In the study published in this issue of *Clinical Endoscopy*, which was conducted in New Delhi, the clinical data were collected prospectively over 4 years in 264 patients.\(^4\) Approximately every one-third cohort of patients was managed conservatively, radiologically, or endoscopically, and followed up for up to 3 months. The data support the conclusion that endoscopic drainage, compared to percutaneous methods, was associated with lower mortality, fewer complications, and shorter hospitalization. The conclusions are expected because unlike the endoscopic approach, in which patients after transluminal drainage underwent endoscopic necrosectomy for non-resolution of symptoms at 72 hours, those treated by radiological drain placement did not receive standardized care. They were managed on an as-needed basis with up-sizing of drains. Although commonly practiced, this method of treatment is not the current standard of care. Percutaneous drain placement is only the first step in a step-up protocol where, based on treatment response, patients subsequently undergo video-assisted retroperitoneal debridement or percutaneous necrosectomy. Naturally, the up-sizing of drains without addressing the underlying solid debris results in the persistence of symptoms, prolonged hospitalization, frequent readmissions, and higher mortality. Surprisingly, only 4% of 264 patients with necrotic collections underwent treatment integrating radiological drainage and endoscopic stent placement. In our experience, a significant proportion of patients require multimodality management with endoscopic stent or radiological drain placement as the only first step in the treatment algorithm. Additionally, given the short follow-up duration of 3 months, the consequences of a disconnected pancreatic duct in either cohort that leads to recurrence of fluid collection and/or development of fistulas in the long term could not be addressed.

A central theme in the management of pancreatic fluid collection is the multidisciplinary approach. Endoscopic, radiological, and surgical disciplines must coordinate in routine clinical practice. The treatment protocol must integrate these...
three approaches with a focus on both near-term and long-term consequences, such as symptom and fluid collection recurrence. In addition, treatment algorithms must be standardized for reinterventions, and the pancreatic duct status must be considered, as they have long-term prognostic implications. Such an approach will yield optimal outcomes for all patients and not just those managed by endoscopic interventions.

Conflicts of Interest

Ji Young Bang is consultant for Boston Scientific, Olympus, Fujifilm. Shyam Varadarajulu is consultant for Boston Scientific, Olympus, Medtronic

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