- in the treatment of patients with long-gap esophageal atresia. *World J Pediatr* 2015;11:267-271.
- 2 von Allmen D, Wijnen RM. Bridging the gap in the repair of long-gap esophageal atresia: still questions on diagnostics and treatment. *Eur J Pediatr Surg* 2015;25:312-317.
 - 3 Foker JE, Linden BC, Boyle EM Jr, Marquardt C. Development of a true primary repair for the full spectrum of esophageal atresia. *Ann Surg* 1997;226:533-541, discussion 541-543.
 - 4 Kimura K, Soper RT. Multistaged extrathoracic esophageal elongation for long gap esophageal atresia. *J Pediatr Surg* 1994;29:566-568.
 - 5 Kimura K, Nishijima E, Tsugawa C, Collins DL, Lazar EL, Stylianou S, et al. Multistaged extrathoracic esophageal elongation procedure for long gap esophageal atresia: Experience with 12 patients. *J Pediatr Surg* 2001;36:1725-1727.
 - 6 Bairdain S, Hamilton TE, Smithers CJ, Manfredi M, Ngo P, Gallagher D, et al. Foker process for the correction of long gap esophageal atresia: Primary treatment versus secondary treatment after prior esophageal surgery. *J Pediatr Surg* 2015;50:933-937.
 - 7 Karabulut R, Turkyilmaz Z, Sonmez K, Ozbayoglu A, Basaklar AC. An approximation technique for primary anastomosis (Gazi Method) in selected cases of long gap esophageal atresia. *Prensa Med Argent* 2014;100:1.

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We are very grateful to Karabulut et al for their interest in our paper reporting the method of partial gastric pull-up (PGP) in the treatment of long-gap esophageal atresia (LGEA).

We agree to the view that the central problem in treatment of esophageal atresia is at present lack of generally accepted definitions, for instance, the definition of LGEA as mentioned in their letter. In our study, we used a practical approach to define this entity by incapability of conventional primary anastomosis due to insufficient length of esophageal segments.^[1] The measurement of the distances in vertebral bodies has a pure descriptive character. Karabulut et al acknowledged this type of definition.

Further, they demonstrated that all other techniques for treatment of LGEA are also associated with a significant number of complications like anastomotic leakage and esophageal stenosis/stricture. For postoperative stenosis, we used a generous definition that is essentially based on radiological, endoscopic but not on clinical findings.^[1] Another more practical and

frequently used definition is given by clinical symptoms revealing anastomotic stenosis, like swallowing difficulties, recurrent respiratory problems or foreign body obstruction.^[2] Our definition does not exclude the possibility that patients without severe clinical problems are treated for anastomotic stricture. Thus, the comparability of our results regarding this type of complication remains elusive.

In our study, we were not able to show convincingly better treatment results after PGP compared with other already established methods like jejunal interposition, colon interposition and gastric pull-up. Thus, we have been very reluctant with the conclusions drawn. However, our results do not exclude the possibility of comparable results regarding the outcome after PGP. There is a clear lack of comparative studies.

The published Gazi method for the treatment of LGEA can be seen as a modification of the method of PGP by further reducing the tension on the esophageal segments using forceps.^[3] It is well conceivable that this modification represents an effective extension of our approach, leading to a reduction of the complication rate. On the other hand, the tension within the partial pull-up presented by us has been considerably low in all the reported cases. A study comparing the Gazi method with pure limited dissection in the method presented by us could appropriately answer this question.

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References

- 1 Reismann M, Granholm T, Ehrén H. Partial gastric pull-up in the treatment of patients with long-gap esophageal atresia. *World J Pediatr* 2015;11:267-271.
- 2 Lydia Serhal, Frédéric Gottrand, Rony Sfeir, Dominique Guimber, Patrick Devos, Michel Bonneville, et al. Anastomotic stricture after surgical repair of esophageal atresia: frequency, risk factors, and efficacy of esophageal bougie dilatations. *J Pediatr Surg* 2010;45:1459-1462.
- 3 Karabulut R, Turkyilmaz Z, Sonmez K, Ozbayoglu A, Basaklar AC. An approximation technique for primary anastomosis (Gazi Method) in selected cases of long gap esophageal atresia. *Prensa Med Argent* 2014;100:1.

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