Background
An enlarged tongue (macroglossia) in dentomusculoskeletal deformities creates masticatory, speech, and airway management problems. Understanding the signs and symptoms of macroglossia will help identify those patients who could benefit from a reduction glossectomy (reduction of tongue size) to improve function, esthetics, and treatment stability. The aim of this poster is to report our case about modified technique of midline reduction glossectomy in macroglossia with mandibular tori at Maxillofacial Surgery Universitas Indonesia and then reporting the results.

Materials and Methods
Reported rare case, five month old boy with congenital disorder macroglossia with mandibular tori, that the syndrome still has not been found until now. Patient underwent primary tracheostomy because of the upper airway obstruction, removal tori and midline reduction glossectomy with modified kole technique that intended for volume reduction in oropharynx. Kole1 proposed an anterior triangular wedge excision of the tongue. In our case, the initial anterior wedge excision following the Kole technique provided adequate reduction in tongue length but width reduction was unsatisfactory. Hence, we modified the technique by extending the apex of the anterior triangular wedge to the posterior third midline providing additional and adequate reduction in tongue width.

Results
Our modification of the Kole technique proved to be viable as the postoperative results were considered satisfactory. There was minimal blood loss. Tongue volume was uniformly reduced in both length and width enabling mouth and jaw closure while tongue sensation and mobility were preserved. Appearance, feeding, and speech intelligibility were markedly improved although the follow up which was confirmed by FEES (Functional Endoscopic Evaluation of Swallowing) shows hyposensitivity was still found, and it same as reported by Wang.

Conclusion
In management of reduction glossectomy can be modified accordance with the clinically condition for each patient. Future application of this modification may demonstrate its usefulness.

References