

5th International Conference and Exhibition on Surgery & ENT

November 07-08, 2016 Alicante, Spain

Association between 24-hour combined multichannel intraluminal impedance pH monitoring and symptoms or quality of life in patients with laryngopharyngeal reflux

Jun Seok Lee

Kyung Hee University, South Korea

To evaluate the association between the parameters of 24-hour multichannel intraluminal impedance (MII)-pH monitoring and the symptoms or quality of life (QoL) in laryngopharyngeal reflux (LPR) patients, the authors conducted this study prospectively. 45 LPR patients were selected from subjects who underwent 24-hour MII-pH monitoring and were diagnosed with LPR from September 2014 to May 2015 in a tertiary teaching hospital. Reflux Symptom Index (RSI), Health Related Quality of Life (HRQoL), Short Form 12 (SF-12) Survey questionnaires were surveyed. Spearman correlation was used to analyze the association between the symptoms or QoL and 24-hr MII-pH monitoring. As a result, most parameters in 24-hr MII-pH monitoring showed weak or no correlation with RSI, HRQoL, and SF-12. Only number of nonacid reflux events that reached the larynx and pharynx (LPR-nonacid) and number of total reflux events that reached the larynx and pharynx (LPR-total) parameters showed strong correlation with heartburn in RSI ($R=0.520$, $p<0.001$, $R=0.478$, $p=0.001$, respectively). Multiple regression analysis showed that there was only one significant regression coefficient between LPR-nonacid and voice/hoarseness portion of HRQoL ($b=1.719$, $p=0.022$). In conclusion, most parameters of 24-hour MII-pH monitoring did not reflect subjective symptoms or QoL in patients with LPR in this study.

Biography

Jun Seok Lee has completed his MD from Kyung Hee University, Postdoctoral studies from Kyung Hee University School of Medicine and completed his Resident course. He is presently an Instructor in Department of Otorhinolaryngology, Head and Neck Surgery in Kyung Hee University Hospital and his specialization is in Head and Neck Surgery. He has published 6 papers in SCI (E) journals and has been serving as Board Member of Korean Society of Otorhinolaryngology-Head and Neck Surgery.

yugabin82@naver.com

Notes: