



The Philippine Society  
of Otolaryngology -  
Head and Neck Surgery



The Academy for  
Head and Neck Oncology  
of the Philippines



The International Federation  
of Head and Neck Oncologic  
Societies



# IFHNOS

## WORLD TOUR MANILA 2018

### 62ND PSO-HNS ANNUAL CONVENTION

#### CE9.2

### The Use of Harmonic Scalpel in ORL-Head and Neck Surgeries

**Alfredo Q.Y. Pontejos Jr.**

**UP-Philippine General Hospital | Philippines**

With the introduction of the new energy device, the harmonic scalpel in the late 1990's has revolutionized surgery. In Otolaryngologic/head and neck surgeries, Sood et al, 2001 published a paper on the effectiveness of harmonic scalpel for tonsillectomy. In the same year, To, et al published the use of the harmonic scalpel for glossectomy. Shemen in the same year presented a paper on thyroidectomy using the harmonic scalpel in 105 consecutive cases. He noted that operating time was faster by 30 min, and incision is smaller by 1 cm among those with harmonic scalpel than the conventional thyroidectomy.

Blood loss is significantly less with harmonic and complications were insignificant. It has its advantage with vascular tumors and almost all neck surgeries. It has far less thermal injury than electro cautery and laser surgery.