



GE HealthCare

Reliability, productivity and image quality:

# The role of Versana Premier in otolaryngology

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## Clinical case of squamous cell carcinoma

2024

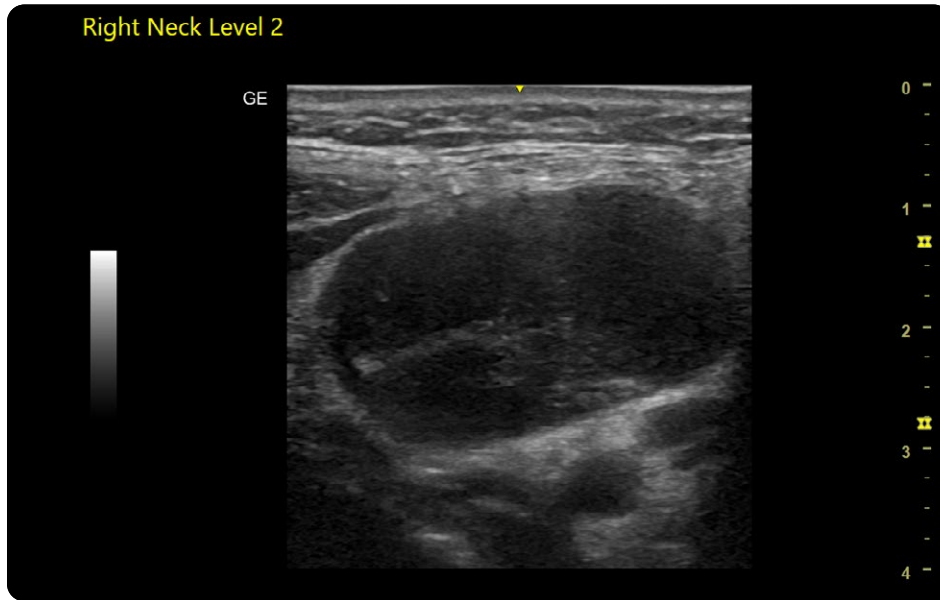
The following case was obtained by  
Dr. Dhingra using a Versana Premier.™

Dr. Dhingra is a paid consultant for GE HealthCare and was compensated for participation in this case study. The statements by Dr. Dhingra described here are based on his own opinions and on results that were achieved in his unique setting. Since there is no "typical" hospital and many variables exist, i.e. hospital size, case mix, etc., there can be no guarantee that other customers will achieve the same results.



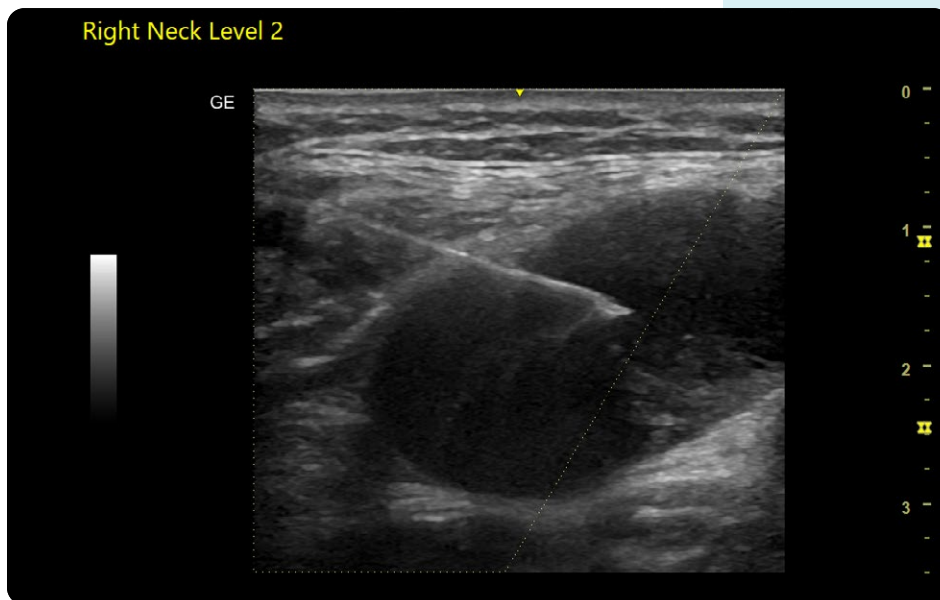
# A case of squamous cell carcinoma

## Clinical presentation



- 56-year-old male
- Non-smoker
- No upper aerodigestive tract symptoms
- Presents with a rapidly enlarging upper neck mass
- Physical exam shows no constitutional symptoms and is positive for right-sided, level 2 mass
- Ultrasound reveals a solid, 3 x 2 cm hypoechoic mass deep to sternocleidomastoid muscle consistent with an enlarged lymph node

## Key findings



**Utilized feature:** Ultrasound-guided fine needle aspiration was performed using Versana Premier Needle Guide Feature

**Cytology results:** Consistent with squamous cell carcinoma

**Primary site:** Right Tonsil

**Key takeaway:** Squamous cell carcinoma in a lymph node in the neck is a metastatic lesion from primary cancer in the upper aerodigestive tract mucosa such as the tonsil, oral cavity and pharynx. It can also arise from the skin of the head and neck region. Early diagnosis is the key to achieving a cure and reducing morbidity.

# Conclusion

Ultrasound is an inexpensive, low-risk, and effective tool for evaluating thyroid and parotid lesions. Its accessibility and accuracy in predicting the nature of lesions compares favorably to that of more expensive and invasive cross-sectional imaging. Fine needle biopsies can be performed at the same visit, thus expediting care. These images taken on a Versana Premier suggest that ultrasound imaging in clinical settings can often be confidently used as an initial, and perhaps sole, imaging modality for thyroid and parotid masses.



**Dr. Jagdish K Dhingra is an Otolaryngologist in Massachusetts with over 20 years of experience in the practice of otolaryngology head and neck surgery.**

Dr. Dhingra did his initial training in India and the UK before moving to the US, where he did his residency training at Tufts Medical Center in Boston, Massachusetts before joining ENT specialists, Inc. in 2002.

For the last 10 years, he has focused his practice on diseases of the thyroid and parathyroid glands and has performed over 4,000 office-based ultrasound-guided thyroid procedures. He regularly teaches at courses sponsored by the American Head and Neck Society and American Academy of Otolaryngology – Head and Neck Surgery. He is also an associate professor at Tufts University School of Medicine.

Since 2005, Dr Dhingra has led 15 surgical missions to Rwanda, Africa and performed over 300 surgeries on patients with large goiters.

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