SYSTEM AND METHOD FOR FACILITATING INSPECTION OF NASOGASTRIC INTUBATION IN A TARGET SUBJECT

ABSTRACT

A system and method for facilitating inspection of nasogastric intubation in a target patient is provided. The method comprises obtaining one or more digital images of at least a portion of subject's throat while illuminating the subject's airway internally or externally; extracting a plurality of feature vectors from the one or more digital images; and identifying, using a first trained deep neural network, localization of the of NGT during the intubation process, and existence of secondary complications, based on the plurality of extracted feature vectors.

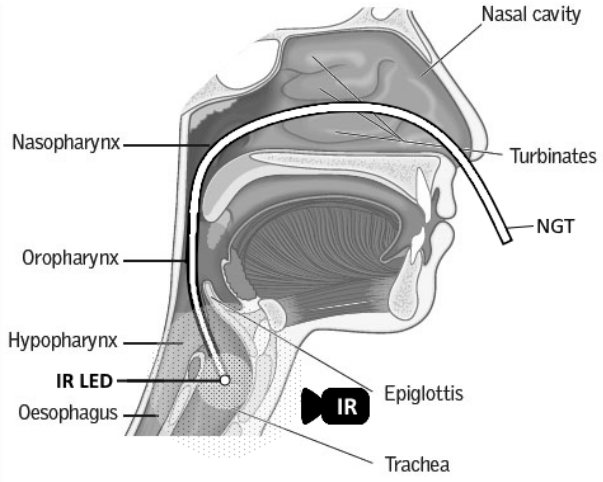


Figure 4.