

中文題目：以超音波指引細針抽吸作為甲狀腺囊腫併致命性氣管壓迫及負壓性肺水腫的緊急處置

英文題目：Echo guide fine needle aspiration as emergent recruitment of thyroid cyst with airway compression and negative pressure pulmonary edema

作者：張安迪¹，吳秉儒^{1,2}，涂智彥^{1,2}，徐武輝^{1,2}

服務單位：中國醫藥大學附設醫院內科部¹，中國醫藥大學附設醫院內科部胸腔科²

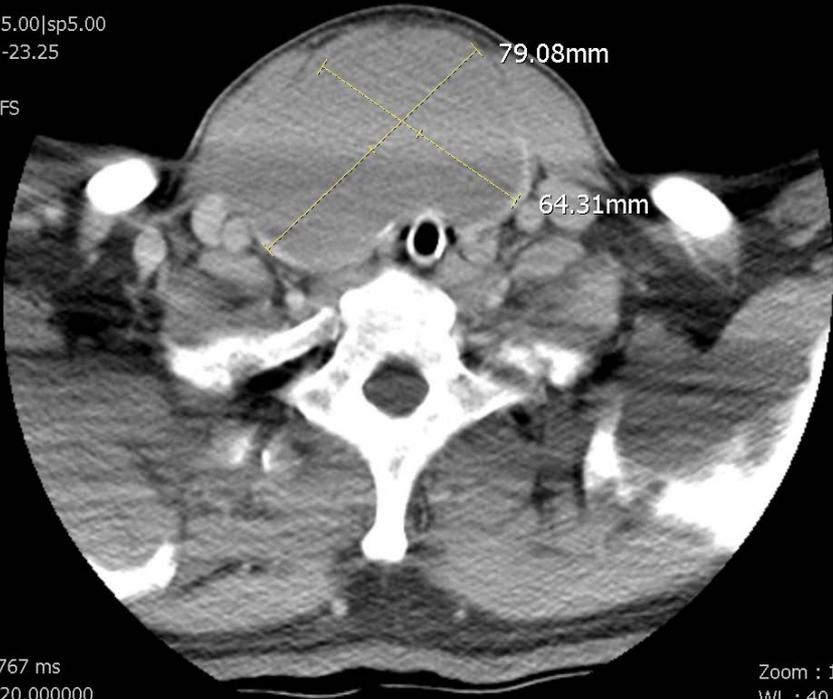
Abstract: Negative pressure pulmonary edema (NPPE) also known as post-obstructive pulmonary edema is a complication of acute and chronic airway obstruction, and often misdiagnosed. Differential diagnosis which includes aspiration of gastric contents, acute respiratory distress syndrome, intravascular volume excess, and cardiac decompensation should be ruled out as treatment varies. We present a 55-year-old male presented to the emergency department with neck swelling and progressive dyspnea for 10 days. A huge thyroid cyst caused lethal airway compression occurred and followed by negative pressure pulmonary edema. Emergent tracheal intubation done for respiratory failure. We performed fine needle aspiration to thyroid cyst by echo-guidance. The pulmonary edema was totally resolved soon after and we removed endotracheal tube successfully. NPPE is a possible lethal clinical condition due to its acute obstruction of airway. Early recognition of this entity is the cornerstone for its successful management. Immediately recognize it then treat with relief of obstruction airway, maintenance of patent airway and administration of supplemental oxygen can provide successful outcome.

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