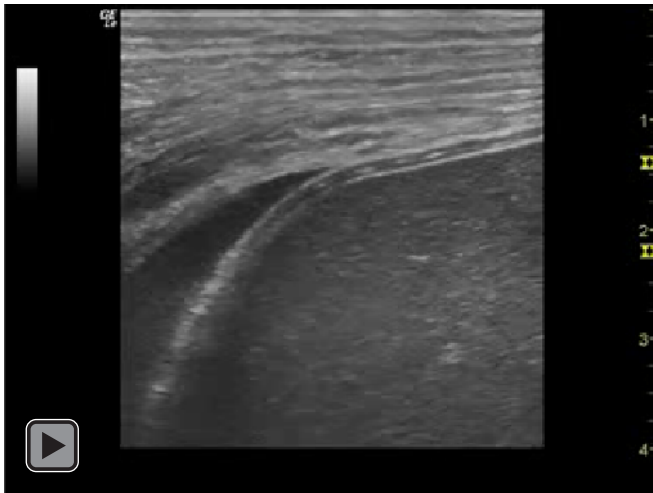


Clinical case blog

Title: Sonographic Evaluation Of Diaphragm during Apnea Test Tract Mucosae

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Brain death is irreversible loss of the brain function. Apnea test should be performed for the diagnosis with some exception of specific conditions. Apnea test is positive, if $PCO_2 \geq 60$ mmHg and/or an increase of 20 mmHg or more in PCO_2 compared to baseline values despite no spontaneous breathing. Sonographic examination of the diaphragm movement prior to and during the apnea test is intended in this case. Intratracheal $6 \text{ L min}^{-1} \text{ O}_2$ was being administered after separation the patient from mechanical ventilation during the apnea test. PCO_2 was determined as 80 mm Hg in the arterial blood gases sample from the patient after 8 minutes. Hence apnea test was considered positive. Any diaphragmatic movement was not observed as sonographic movement along with the apnea test.