



UNIVERSIDADE FEDERAL DE PERNAMBUCO
CENTRO DE CIÊNCIAS DA SAÚDE
GRADUATE PROGRAM IN PHYSIOTHERAPY



Code	PGFT927		
Name of the subject	Functional Aspects of Respiratory and Cardiovascular Physiotherapy		
Course load	45 h	(-) Mandatory	(x) Optional
Subject Program			
Discussions on cardiorespiratory system research/evaluation models; methodological analysis of research involving kinetic functional, thoracopulmonary and muscular evaluation on relevant themes, and recent knowledge related to respiratory and cardiovascular dysfunctions.			
References			
<p>1. Soldati G, Smargiassi A, Inchingolo R, Buonsenso D, Perrone T, Briganti DF, Perlini S, Torri E, Mariani A, Mossolani EE, Tursi F, Mento F, Demi L Proposal for International Standardization of the Use of Lung Ultrasound for Patients With COVID-19: A Simple, Quantitative, Reproducible Method. <i>J Ultrasound Med.</i> 2020 Jul;39(7):1413-1419. doi: 10.1002/jum.15285. Epub 2020 Apr 13.PMID: 32227492</p> <p>2. Soldati G, Smargiassi A, Inchingolo R, Buonsenso D, Perrone T, Briganti DF, Perlini S, Torri E, Mariani A, Mossolani EE, Tursi F, Mento F, Demi L Is There a Role for Lung Ultrasound During the COVID-19 Pandemic? <i>J Ultrasound Med.</i> 2020 Jul;39(7):1459-1462. doi: 10.1002/jum.15284. Epub 2020 Apr 7.PMID: 32198775</p> <p>3. Sultan LR, Sehgal CM.A Review of Early Experience in Lung Ultrasound in the Diagnosis and Management of COVID-19. <i>Ultrasound Med Biol.</i> 2020 Sep;46(9):2530-2545. doi: 10.1016/j.ultrasmedbio.2020.05.012. Epub 2020 May 25.PMID: 32591166</p> <p>4. Coppo A, Bellani G, Winterton D, Di Pierro M, Soria A, Faverio P, Cairo M, Mori S, Messinesi G, Contro E, Bonfanti P, Benini A, Valsecchi MG, Antolini L, Foti G.Feasibility and physiological effects of prone positioning in non-intubated patients with acute respiratory failure due to COVID-19 (PRON-COVID): a prospective cohort study. <i>Lancet Respir Med.</i> 2020 Aug;8(8):765-774. doi: 10.1016/S2213-2600(20)30268-X. Epub 2020 Jun 19.PMID: 32569585</p> <p>5. CHERNIAK RM. Testes de Função Pulmonar. São Paulo: Revinter, 2000.</p>			

6. Fernandes-Andrade AA, Britto RR, Soares DCM, Velloso M, Pereira DAG Evaluation of the Glittre-ADL test as an instrument for classifying functional capacity of individuals with cardiovascular diseases. *Braz J Phys Ther.* 2017 Sep-Oct;21(5):321-328. doi: 10.1016/j.bjpt.2017.06.001. Epub 2017 Jul 3.PMID: 28711380
7. Massaroni C, Carraro E, Vianello A, Miccinilli S, Morrone M, Levai IK, Schena E, Saccomandi P, Sterzi S, Dickinson JW, Winter S, Silvestri S Optoelectronic Plethysmography in Clinical Practice and Research: A Review. *Respiration.* 2017;93(5):339-354. doi: 10.1159/000462916. Epub 2017 Mar 23.PMID: 28329750
8. Feitosa LAS, de Britto MCA, Aliverti A, Noronha JB, de Andrade AD Accuracy of optoelectronic plethysmography in childhood exercise-induced asthma. *J Asthma.* 2019 Jan;56(1):61-68. doi: 10.1080/02770903.2018.1424196. Epub 2018 Jan 23.PMID: 29360392
9. Britto RR, Probst VS, de Andrade AF, Samora GA, Hernandez NA, Marinho PE, Karsten M, Pitta F, Parreira VF Reference equations for the six-minute walk distance based on a Brazilian multicenter study. *Braz J Phys Ther.* 2013 Nov-Dec;17(6):556-63. doi: 10.1590/S1413-35552012005000122.
10. Evans RA, Singh SJ Minimum important difference of the incremental shuttle walk test distance in patients with COPD *Thorax.* 2019 Oct;74(10):994-995. doi: 10.1136/thoraxjnl-2018-212725
11. Witham MD, Sugden JA, Sumukadas D, Dryburgh M, McMurdo M. A comparison of the Endurance Shuttle Walk test and the Six Minute Walk test for assessment of exercise capacity in older people. *Aging Clin Exp Res.* 2012 Apr;24(2):176-80. doi: 10.3275/7928.
12. MACHADO, MGR. Bases da Fisioterapia Respiratória, Terapia Intensiva e Reabilitação. 2ª. ed. Rio de Janeiro: Guanabara Koogan, 2019