

1. General Information

Cohort ID	5005_12
Title (Study Name)	Vitamin D3 in Thoracic Surgery Cohort
Principal investigator	Assoc. Prof. Joerg Lindenmann, Dr.in Nicole Fink-Neuböck
Contact information	pm-biobank@medunigraz.at
Funding agency	Anniversary Fund of the Oesterreichische Nationalbank (OeNB)

2. Description

Blood and tissue samples were collected from patients participating to the "Vitamin D3 in Thoracic Surgery" clinical trial. This double blind randomized prospective, placebo-controlled study aims to determine the 25(OH)Vitamin D -levels in the patient collective admitted for general thoracic surgery, and to initiate substitution therapy in case of Vitamin D deficiency. The secondary objective is to assess the further course of the abovementioned collective.

3. Details

ICD 10/O codes / Healthy	C15, C34	
Key words	Vitamin D deficiency – Thoracic Surgery – Cancer patients	
Collection / Cohort size 11/2021	722 aliquots from 65 patients	
Informed Consent (IC)	<input checked="" type="checkbox"/> Broad Biobank IC	
	<input checked="" type="checkbox"/> Specific Study IC	
Status	<input type="checkbox"/> In progress / compl. date:	
	<input checked="" type="checkbox"/> Completed	
Inclusion criteria	Age distribution	18+
	Sex distribution (f:m)	1:3
	Others	<ul style="list-style-type: none"> • Esophageal carcinoma • Bronchial carcinoma
Earliest access	As of now	
Quality-standards	<input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)	
Associated publications / references	<p>Kilkinen A et al. Vitamin D status and the risk of lung cancer: A cohort study in Finland. <i>Cancer Epidemiology Biomarkers Prevent</i> 17(11): 3274-3278, 2008. https://pubmed.ncbi.nlm.nih.gov/18990771/</p> <p>Spina CS et al. Vitamin D and cancer. <i>Anticancer Res</i> 26: 2515–2524, 2006. https://pubmed.ncbi.nlm.nih.gov/16886659/</p> <p>Zhou W et al. Vitamin D is associated with improved survival in early-stage non-small cell lung cancer patients. <i>Cancer Epidemiol Biomarkers Prevent</i> 14(10): 2303-2309, 2005. https://pubmed.ncbi.nlm.nih.gov/16214909/</p> <p>Zhou W et al. Circulating 25-hydroxyvitamin D levels predict survival in early-stage non-small-cell lung cancer patients. <i>J Clin Oncol</i>. 2007 Feb 10;25(5):479-85. https://pubmed.ncbi.nlm.nih.gov/17290055/</p>	

Li D et al. Association of the Polymorphisms of MTHFR C677T, VDR C352T, and MPO G463A with Risk for Oesophageal Squamous Cell Dysplasia and Carcinoma. Archives of Medical Research. 39(6):594-600,2008. <https://pubmed.ncbi.nlm.nih.gov/18662591/>

4. Material available (aliquot size) and storage conditions

Material	<input checked="" type="checkbox"/> Serum (µl)	<input checked="" type="checkbox"/> -80°C	<input type="checkbox"/> liq. N ₂
	<input checked="" type="checkbox"/> EDTA plasma (µl)	<input checked="" type="checkbox"/> -80°C	<input type="checkbox"/> liq. N ₂
	<input checked="" type="checkbox"/> EDTA Buffy coat (µl)	<input checked="" type="checkbox"/> -80°C	<input type="checkbox"/> liq. N ₂
	<input checked="" type="checkbox"/> Snap frozen tissue	<input type="checkbox"/> -80°C	<input checked="" type="checkbox"/> liq. N ₂

Dokument erstellt (tt/mm/yyyy):
10/06/2021

Letzte inhaltliche Aktualisierung (tt/mm/yyyy):
11/02/2022