

1. General Information

Cohort ID	5004_11
Title (Study Name)	Vitamin D Hypertension Cohort
Principal investigator	Assoc. Prof. Stefan Pilz, Prof. Thomas Pieber
Contact information	pm-biobank@medunigraz.at
Funding agency	Austrian national bank: Jubilaeumsfonds: project no: 13878 and 13905

2. Description

Biological samples from the Styrian Vitamine D Hypertension Trial have been collected. This single-center, double-blind, placebo-controlled study aims to evaluate whether vitamin D supplementation affects 24-hour systolic ambulatory blood pressure monitoring values and cardiovascular risk factors.

3. Details

ICD 10/O codes / Healthy	I.10	
Key words	Vitamine D – Hypertension – Cardiovascular risk factors	
Collection / Cohort size 11/2021	3.549 aliquots from 391 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)	47:53
	Others	- Arterial hypertension
Earliest access	As of now	
Quality-standards	<input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)	
Associated publications / references	Effects of vitamin D on blood pressure and cardiovascular risk factors: a randomized controlled trial. Pilz S, Gaksch M, Kienreich K, Gröbler M, Verheyen N, Fahrleitner-Pammer A, Treiber G, Drechsler C, Ó Hartaigh B, Obermayer-Pietsch B, Schwetz V, Aberer F, Mader J, Scharnagl H, Meinitzer A, Lerchbaum E, Dekker JM, Zittermann A, März W, Tomaschitz A. https://pubmed.ncbi.nlm.nih.gov/25801871/	

4. Material available (aliquot size) and storage conditions

Material	<input checked="" type="checkbox"/> Serum (400 µl)	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> EDTA plasma (1000 µl)	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> Urine (1000 µl)	<input checked="" type="checkbox"/> -80°C

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