

1. General Information

Cohort ID	5012_21
Title (Study Name)	HBO Post-Covid
Principal investigator	Prof.in Freyja-Maria Smolle-Jüttner
Contact information	pm-biobank@medunigraz.at
Funding agency	-----

2. Description

<p>Opportunistic and exploratory pilot study in patients with ongoing or long Covid-19, respectively. Hypothesis: Breaching of chronic inflammatory reaction by cyclic hyperbaric oxygenation (HBO) using 10 sessions (one each working day) at 2,2 ata at a duration of 75 minutes is possible. Besides measurements of oxygen saturation, tissue oxygen tension, spirometry, blood pressure and heart rate, neurological status and subjective assessment by questionnaire and VAS-scale laboratory parameters will be assessed before and after the treatment cycle as well as after 3 months. Samples will be collected from 100 patients at 3 visits (2400 aliquots).</p>
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3. Details

ICD 10/O codes / Healthy	U09.9 G	
Key words	ongoing Covid-19, long Covid-19, hyperbaric oxygen	
Collection / Cohort size 12/2023	904 aliquots from 62 patients	
Informed Consent (IC)	<input checked="" type="checkbox"/> Broad Biobank IC	
	<input checked="" type="checkbox"/> Specific Study IC	
Status	<input checked="" type="checkbox"/> In progress / compl. date: 05/2025	
	<input type="checkbox"/> Completed	
Inclusion criteria	Age distribution	18 - 90
	Sex distribution (f:m)	50:50
	Others	-----
Earliest access	As of now	
Quality-standards	<input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)	
Associated publications / references	<p><u>Immediate and Long-Term Effects of Hyperbaric Oxygenation in Patients with Long COVID-19 Syndrome Using SF-36 Survey and VAS Score: A Clinical Pilot Study.</u> Lindenmann J, Porubsky C, Okresa L, Klemen H, Mykoliuk I, Roj A, Koutp A, Kink E, Iberer F, Kovacs G, Krause R, Smolle J, Smolle-Juettner FM. https://pubmed.ncbi.nlm.nih.gov/37834897/</p>	

4. Material available (aliquot size) and storage conditions

Material	<input checked="" type="checkbox"/> Serum (235 µl)	<input checked="" type="checkbox"/> -80°C
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Dokument erstellt (tt/mm/yyyy): 25/05/2021	Letzte inhaltliche Aktualisierung (tt/mm/yyyy): 20/03/2024
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