

Supplemental Table S1: Time interval between last COVID-19 vaccination and time-point of diagnosis of retinal vascular occlusion (n=410; 321 vaccinated patients and 89 patients with no vaccination; missing data: 11).

Vaccination time point	<2 weeks	2-4 weeks	4-6 weeks	>6 weeks	No vaccination
All patients	70 (21.8%)	85 (26.5%)	44 (13.7%)	122 (38.0%)	89
CRVO	22	27	11	38	20
BRVO	14	13	10	19	18
CRAO	5	9	4	25	13
BRAO	15	12	9	17	10
AION	14	24	10	23	28

Supplemental Table S2: Characteristics of the study subjects and population-based GHS controls in the case-control study approach.

	Cases	Controls
n	327	327
Age [years]	64.8 ± 12.1	64.4±11.6
Sex [female]	43.1%	43.1%
Arterial hypertension [yes]	63.2%	59.3%
Diabetes [yes]	18.3%	11.0%
Obesity [yes]	20.2%	21.7%
COVID-19 vaccination status		
Vaccination within the last 4 weeks [yes]	41.6%	38.2%
CRVO/BRVO/CRAO/BRAO/AION	93/63/39/47/85	-/-/-/-/-

CRVO= Central Retinal Vein Occlusion; BRVO= Branch Retinal Vein Occlusion; CRAO= Central Retinal Artery Occlusion; BRAO= Branch Retinal Artery Occlusion; AION= Anterior Ischaemic Optic Neuropathy

Supplemental Table S3: Time-dependent distribution of vaccination stratified for different COVID-19 vaccines prior to onset of symptoms.

	<2 weeks	2-4 weeks	4-6 weeks	>6 weeks
ChadOx1/ <i>AstraZeneca</i>	14	21	3	17
BNT162b2/ <i>BioNTech</i>	45	54	33	83
mRNA-1273/ <i>Moderna</i>	5	5	3	7
Ad26.COV2.S/ <i>Johnson & Johnson</i>	6	2	1	2

N=22 missing data on type of vaccination and further n=9 with missing data on date of vaccination

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