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## **The spectrum of central serous chorioretinopathy: clinical characteristics, genetic associations and outcome of treatment**

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# **The spectrum of central serous chorioretinopathy**

**Clinical characteristics, genetic associations  
and outcome of treatment**

by

Danial Mohabati

## COLOPHON

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Voor Anne, Jasmin en Siebe

Voor mijn ouders

## LIST OF ABBREVIATIONS

aCSC	acute central serous chorioretinopathy
AMD	age-related macular degeneration
ARMS2	age-related macular degeneration susceptibility 2
BCVA	best-corrected visual acuity
BDUMP	Bilateral diffuse uveal melanocytic proliferation
BM	Bruch's membrane
C4B	complement factor 4B
cCSC	chronic central serous chorioretinopathy
CDH5	cadherin 5
CFH	complement factor H
CFT	central foveal thickness
CI	confidence interval
CME	cystoid macular edema
CNV	choroidal neovascularisation
CRT	central retinal thickness
CSC	central serous chorioretinopathy
DARA	diffuse atrophic retinal pigment epithelium alterations
DD	optic disc diameter
DRPE	diffuse retinal pigment epitheliopathy
EDI	enhanced-depth imaging
ELM	external limiting membrane
ERG	electroretinography
ETDRS	Early Treatment Diabetic Retinopathy Study
EZ	ellipsoid zone
FA	fluorescein angiography
FAF	fundus autofluorescence
GCL	ganglion cell layer
HF	haplotype frequency
HR	hazard ratio
ICGA	indocyanine green angiography
ILM	internal limiting membrane
INL	inner nuclear layer
MAF	minor allele frequency
MEK	mitogen-activated protein kinase kinase
METC	Medisch Ethische Toetsingscommissie
NA	not annotated
nAMD	neovascular age-related macular degeneration
NR3C2	nuclear receptor subfamily 3 group C member 2
OCT	optical coherence tomography
OCTA	optical coherence tomography angiography

ONL	outer nuclear layer
OPL	outer plexiform layer
OR	odds ratio
PCRD	posterior cystoid retinal degeneration
PCV	polypoidal choroidal vasculopathy
PD	pigment epithelial detachment
PDT	photodynamic therapy
PNV	pachychoroid neovascularopathy
PPE	pachychoroid pigment epitheliopathy
PPS	peripapillary pachychoroid syndrome
RCT	randomized controlled trial
RPE	retinal pigment epithelium
SD	standard deviation
SD-OCT	spectral-domain optical coherence tomography
SMACH	Serous maculopathy due to aspecific choroidopathy
SMARPE	Serous maculopathy with absence of retinal pigment epithelium
SML	subthreshold micropulse laser
SNP	single nucleotide polymorphism
SRF	subretinal fluid
VA	visual acuity
VEGF	vascular endothelial growth factor
VIPR2	Vasoactive Intestinal Peptide Receptor 2





# CONTENTS

## **Chapter 1 Introduction**

## **Chapter 2 Clinical spectrum of CSC**

2.1 Risk of recurrence and transition to chronic disease in acute central serous chorioretinopathy

2.2 Clinical characteristics and long-term visual outcome of severe phenotypes of chronic central serous chorioretinopathy

2.3 Clinical characteristics and outcome of posterior cystoid macular degeneration in chronic central serous chorioretinopathy

## **Chapter 3 Genetic characteristics of CSC phenotypes**

3.1 Genetic risk factors in acute central serous chorioretinopathy

3.2 Genetic risk factors in severe, non-severe, and acute phenotypes of central serous chorioretinopathy

## **Chapter 4 Efficacy of photodynamic therapy in CSC**

4.1 Efficacy of photodynamic therapy in steroid-associated chronic central serous chorioretinopathy: a case-control study

4.2 Clinical spectrum of severe chronic central serous chorioretinopathy and outcome of photodynamic therapy

## **Chapter 5 General discussion**

## **Chapter 6**

6.1 English summary

6.2 Dutch summary

6.3 Acknowledgments (Dankwoord)

6.4 About the author

6.5 List of publications