

Effekten av COVID-19 på behandlingen av neovaskulär AMD i Sverige – Data från Svenska Makularegistret

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Bakgrund

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REVIEW ARTICLE

Guidance for anti-VEGF during the COVID-19 p

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Abstract

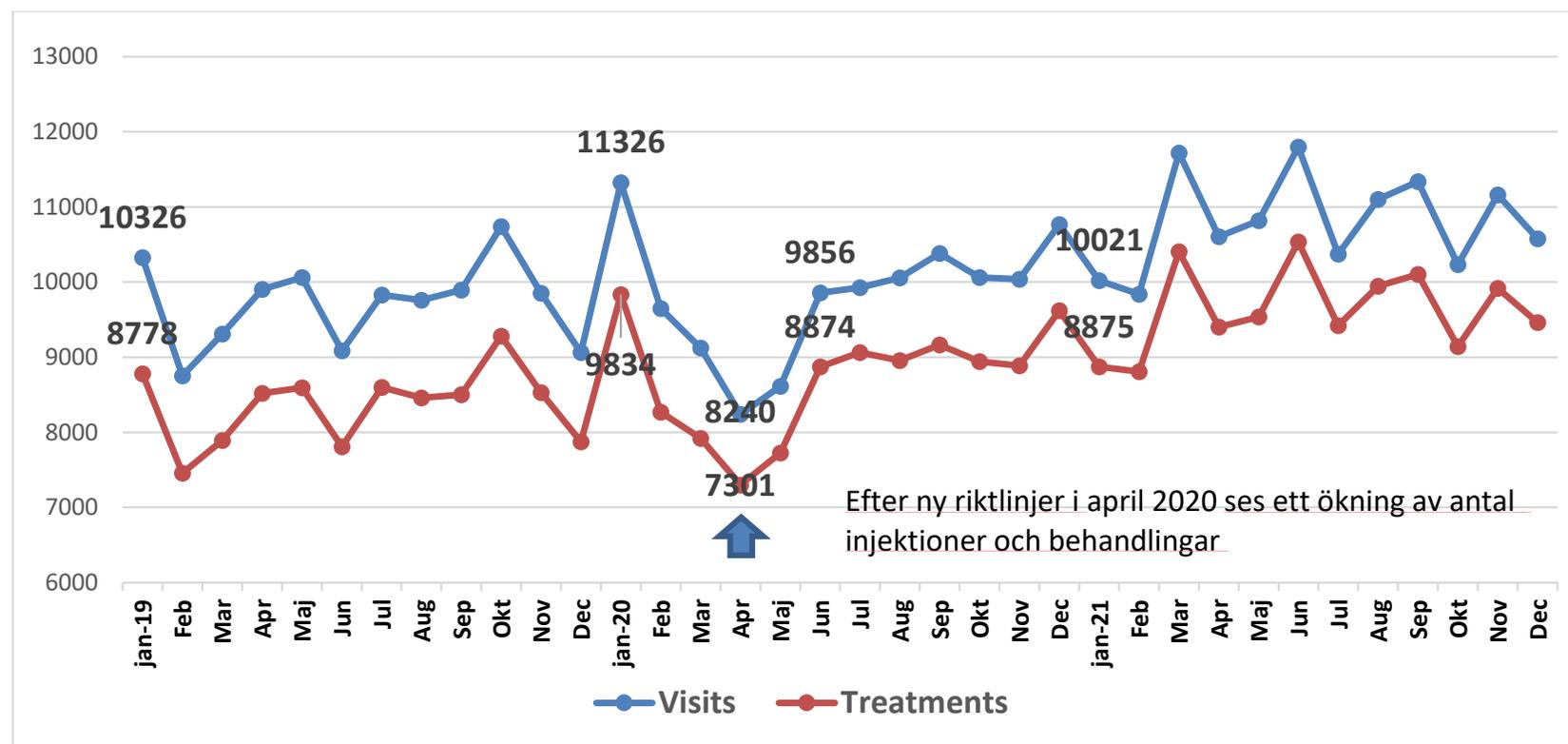
Purpose There is an urgent need to adjust the management of patients with retinal disease during the COVID-19 pandemic. The considerations focus on the use of pre-screening to identify symptomatic patients and the use of triaging of patients to identify those who require frequent monitoring visits where possible. In addition, regimens that require frequent monitoring visits should be adjusted to regular clinical visits where possible. The safety of patients is the greatest medical need. The safety of patients is the greatest medical need.

Nationellt programområde NPO Ögonsjukdomar. NAG Medicinsk retina

Handläggning av medicinska retinapatienter under Covid-19.

Utarbetat av NAG Medicinsk retina. Godkänt av NPO Ögonsjukdomar 200416

Figur 4. Covid-19. Antal registrerade besök och antal registrerade behandlingar per månad under 2019-2021.



Frågeställning

1-årsuppföljning

Att jämföra behandlingen och visusutfall hos två grupper av patienter med neovaskulär åldersrelaterad makuladegeneration (nAMD) före och under det första året av COVID-19-pandemin i Sverige.

Tidslinje

Före Covid-19 pandemin

Inklusionsperiod:

Juli 2018 - Jan 2019

I början av Covid-19 pandemin

Inklusionsperiod:

Feb 2020 - Aug 2020



1597
ögon

1318
ögon

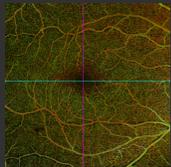
Ursprungligen 2974 ögon:

59 ögon exkluderades: inget visusvärde vid baseline

Baseline data

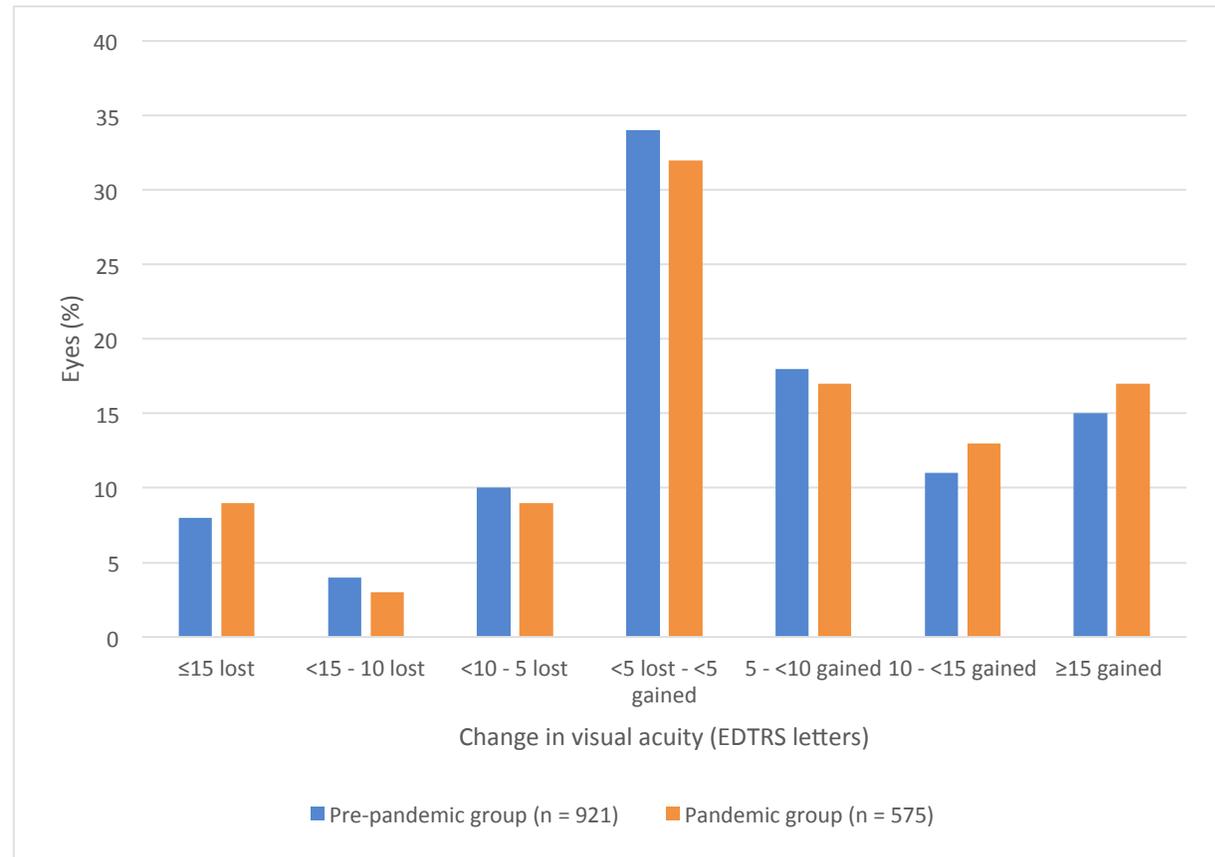
Baseline characteristic	Both groups	Pre-pandemic	Pandemic	p
No. of eyes, n (%)	2915 (100)	1597 (55)	1318 (45)	
Gender, n (% of patients)				
Female	1708 (63)	910 (61)	798 (65)	0.0673
Mean age (SD)	78.4 (7.9)	78.6 (8)	78.2 (7.8)	0.1195
Missing	1 (0)	1 (0)	0 (0)	
Mean ETDRS letters (SD)	62.0 (14.2)	62.5 (13.7)	61.4 (14.8)	0.0778
Symptom duration, n (% of eyes)				
0 - <2 months	1610 (55)	845 (53)	765 (58)	0.0056
2 - <4 months	587 (20)	343 (21)	244 (19)	0.0513
4 - 6 months	307 (11)	171 (11)	136 (10)	0.7620
>6 months	411 (14)	238 (15)	173 (13)	0.1814
Membrane type, n (% of eyes)				
Type 1	876 (30)	439 (27)	437 (33)	0.0003
Type 2	462 (16)	277 (17)	185 (14)	0.0275
Type 3	298 (10)	160 (10)	138 (10)	0.5793
PCV	101 (3)	63 (4)	38 (3)	0.1541
Undetermined	1036 (36)	593 (37)	443 (34)	0.1057
Missing	142 (5)	65 (4)	77 (6)	
Initial drug, n (% of eyes)				
Aflibercept	2557 (88)	1428 (89)	1129 (86)	0.0022
Ranibizumab	82 (3)	43 (3)	39 (3)	0.7359
Bevacizumab	276 (9)	126 (8)	150 (11)	0.0015
Initial treatment regimen, n (% of eyes)				
T&E	2269 (78)	1274 (80)	995 (75)	0.0053
PRN	365 (13)	179 (11)	186 (14)	0.0177
Fixed	61 (2)	37 (2)	24 (2)	0.4353
Other	72 (2)	29 (2)	43 (3)	
Missing	148 (5)	78 (5)	70 (5)	

Diagnos – Metoder



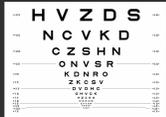
Type of diagnostic imaging at baseline (excluding missing values), n (% of eyes)	Both groups	Pre-pandemic	Pandemic	p
OCT	528 (18.1)	206 (12.9)	322 (24.4)	<0.0001
OCT + FA + ICG	63 (2.2)	41 (2.6)	22 (1.7)	<0.0001
OCT + OCT-A	874 (30)	172 (10.8)	702 (53.3)	<0.0001
OCT + OCT-A + FA + ICG	129 (4.4)	52 (3.3)	77 (5.8)	0.0089
FA	5 (0.2)	4 (0.3)	1 (0.1)	0.0296
Missing value	1214 (41.6)	1091 (68.3)	123 (9.3)	

Resultat – Visusändring 1 år



Ingen statistiskt signifikant skillnad

Resultat – Visus & Injektioner



1-year follow-up	Pre-pandemic	Pandemic	p
Visual acuity available No. of eyes, n (%)	921 (58)	575 (44)	<0.0001
Mean change ETDRS Letters (SD)	2.6 (13.6)	3.8 (16.3)	0.1734
Mean VA examinations per patient n (SD)	4.2 (1.5)	3.5 (1.6)	<0.0001
Mean no. of injections	7.4 (2.2)	7.5 (2.3)	0.0063

Resultat – Kliniska besök



1-year follow-up	Pre-pandemic	Pandemic	p
Mean visits n (%)	12 783	10 585	
With VA testing	6 661 (52.1)	4 661 (44)	<0.0001
With injection	11 779 (92.1)	9 958 (94.1)	<0.0001
Only injection	6 103 (47.7)	5 898 (55.7)	<0.0001
Mean duration Baseline to first injection Days (SD)	4.1 (18.5)	5.2 (23.2)	<0.0001
Mean delayed visits n (% of eyes)	5 056 (45.2)	3 301 (35.6)	<0.0001
Mean length of delay Days (SD)	13.8 (22.6)	13.8 (25.8)	0.0643

Resultat –
Behandlings
regim

1-year follow-up	Pre-pandemic	Pandemic	p
Change of regimen from baseline No. of eyes, n (%)	570 (36)	255 (19)	<0.0001
T&E to other regimen	319 (25)	70 (7)	<0.0001
T&E to PRN	214 (67)	44 (63)	0.4891
PRN to other regimen	130 (73)	80 (43)	<0.0001
PRN to T&E	116 (89)	70 (88)	0.8237

Kan vi vara nöjda?

Symptomduration "0- <2 månader" – För långt intervall? Ändring på gång!

Baseline characteristic	Both groups	pa		
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1-year follow-up	Pre-pandemic	Pandemic	p
Visual acuity available No. of eyes, n (%)	921 (58)	575 (44)	<0.0001

Kanske fler eller mer regelbundna visusprövningar?

