

TABLE 1: Study & patient characteristics

Author (year)	Country	Study design	Sample size change VA (Total population per study)	NF1/ nNF1, registered in total study population	Age start CT: Mean/ median (SD/ range) (years)	Time interval (median/ range) VA start CT- final VA (years)	(M)DC STAG E	Definition of change in VA	VA ↑: binoc: N (%)	VA ↔: binoc: N (%)	VA ↓: binoc: N (%)
Massimino et al. (2002) ⁹	Italy	Prospective multicenter	22 (34)	8/ 26 ^a	3.2 (0.3-15.6)	3.7 (0.8- 10)	2	No definition	10 (45)	7 (32)	5 (23)
Dalla Via et al. (2007) ³⁶	Italy	Prospective monocenter	11 (20)	20 NF1	2.2 (1.1-4.2) ^b	6.3 (0.4-18) ^c	1, 2, 3	No definition	0 (0)	2 (18)	9 (82)
Massimino et al (2010) ³⁷	Italy	Prospective, center: NEP	17 (37)	7/ 30 ^a	6.0 (0.5-16.5) ^a	End of CT cycle	1, 3	No definition	7 (41)	10 (59)	0 (0)
Shofty et al. (2011) ³⁹	Israel	Retrospective multicenter	19 (19)	11/ 8	5.2 (1-9.4)	4.2 (0.3- 11)	2,3,4	No definition	1 (5)	4 (21)	14 (74)
Fisher et al. (2012) ²³	USA, UK, Australia, Canada	Retrospective multicenter	88 (115)	88 NF1	4.0 (0.5-16.2)	3 months after completion of CT cycle	1, 2, 3, 4	≤ = ≥ 0.2 Snellen lines	28 (32)	35 (40)	25 (28)
Kalin-Hadju et al. (2014) ²⁴	Canada	Retrospective monocenter	14 (17)	10/ 7 ^a	3.4 (3.2-6.6)	8.2 (3.5- 12.9)	1,2,3,4	Change per (WHO) category of CVI scale	1 (7)	7 (50)	6 (43)
Dodgshun et al. (2015) ³⁵	Australia	Retrospective monocenter	35 (104)	33/ 71 ^a	4.6 (0.4-12)	At cessation of CT/	1, 2, 3, 4	Change in ICO	5 (14)	27 (77)	3 (9)

						(6.5 (ND) ^p		category (13)			
Prada et al. (2015) ⁴⁵	USA	Retrospective monocenter	22 (826)	22 NF1	4 (1.8-12)	Not registered	1,2,3,4	No definition	4 (17)	6 (27)	12 (56)
Doganis et al. (2016) ³⁸	Greece	Retrospective monocenter	16 (20)	15/5 ^a	5.3 (1.5- 11.4)	End of CT cycle/ 5.2 (2.8-9.4) ^p	1, 2, ,3	No definition	7 (44)	7 (44)	2 (12)
Lassaletta et al. (2016) ¹¹	Canada	Prospective multicenter	24 (54)	13/ 41 ^a	8 (0.7-17.2)	5yr (ND)	2,3,4	No definition	5 (21)	15 (62)	4 (17)
Falzon et al. (2018) ²²	UK	Prospective multicenter	90 (90)	46/ 44	3.8 (0.8- 14) NF1, 3.2 (0.4- 15) nNF1	6.5 (2.0- 10.2)	1, 2, 3	≤ = ≥ 0.2 LogMAR	19 (21)	35 (39)	36 (40)
Total			358 (1336)	178/ 52							