

Supplementary Table 1. Literature review for visual field defects in nonketotic hyperglycemia

First author (year)	Sex/age (years)	Visual field defect		Positive visual symptom			Other visual symptoms
		Side	Type (homonymous)	Macular splitting	Visual phosphene	Visual hallucination	
Our report	M/61	R	Superior quadrantanopsia	+	+	-	-
Maccario (1968) ¹	M/73	R	Hemianopsia	?	-	+	-
Berkovic (1984) ²	F/80	R	Hemianopsia	?	-	-	-
Johnson (1988) ³	M/57	R	Hemianopsia	?	+	+	Palinopsia, spatial disorientation
Harden (1991) ⁴	M/28	L	Hemianopsia	?	+	-	-
Harden (1991) ⁴	F/68	L	Hemianopsia	?	+	-	-
Duncan (1991) ⁵	F/43	L	Hemianopsia	?	+	+	-
Brazis (2000) ⁶	M/75	L	Hemianopsia (OU) with superior quadrantanopsia (OS)	+	-	+	Polyopia, achromatopsia
Seo (2003) ⁷	M/60	L	Hemianopsia	?	+	-	-
Freedman (2004) ⁸	F/72	L	Hemianopsia	+	+	-	Visual perseveration
Lavin (2005) ⁹	M/39	L	Visual field defects alternating between hemianopsia and inferior quadrantanopsia	+, -*	-	+	-
Lavin (2005) ⁹	M/54	L	Hemianopsia	+	+	+	?
Lavin (2005) ⁹	M/34	?	Hemianopsia	+	-	-	?
Lavin (2005) ⁹	M/69	?	Hemianopsia	-	+	+	?
Wang (2005) ¹⁰	F/59	R	Hemianopsia	?	+	+	Visual distortion
Raghavendra (2007) ¹¹	F/42	R	Hemianopsia	?	-	+	-
Raghavendra (2007) ¹¹	M/45	R	Hemianopsia	?	-	-	-
Taban (2007) ¹²	M/68	L	Hemianopsia	-	+	-	Visual distortion, photopsia
Pérez Saldaña (2007) ¹³	M/51	L	Inferior quadrantanopsia	?	+	-	-
Del Felice (2009) ¹⁴	F/50	R	Hemianopsia	?	-	-	Visual distortion, diplopia
Mitchell (2009) ¹⁵	F/67	L	Hemianopsia	+	-	+	-
Moien-Afshari (2009) ¹⁶	M/83	?	Inferior quadrantanopsia	?	+	-	-
Hung (2010) ¹⁷	M/30	L	Hemianopsia	?	+	+	Visual distortion
Guez (2010) ¹⁸	F/61	L	Hemianopsia	?	-	+	Saw herself in the TV
Kim (2011) ¹⁹	F/65	L	Hemianopsia	?	-	-	-
Goto (2011) ²⁰	M/56	L	Hemianopsia	?	-	+	-
Chen (2011) ²¹	F/58	L	Hemianopsia	?	-	+	-
Chen (2011) ²¹	M/61	R	Hemianopsia	?	-	-	Visual blurring
Fletcher (2011) ²²	F/70	R	Hemianopsia	?	-	+	-
Stayman (2012) ²³	M/45	L	Hemianopsia	?	-	-	-
Stayman (2012) ²³	M/60	L	Hemianopsia	?	-	-	-
Stayman (2012) ²³	M/69	R	Hemianopsia	?	-	+	-
Kocasay Orhan (2013) ²⁴	M/73	R	Hemianopsia	?	-	-	-
Putta (2014) ²⁵	M/66	R	Hemianopsia	?	-	+	Mathematical figures in peripheral vision and people in his home
Strowd (2014) ²⁶	F/32	L	Hemianopsia	-	+	+	-
Strowd (2014) ²⁶	F/41	L	Hemianopsia	-	-	-	-
Sasaki (2016) ²⁷	M/65	R	Inferior quadrantanopsia	?	+	-	-
Nissa (2016) ²⁸	M/53	R	Hemianopsia	+	-	+	-
Walden (2017) ²⁹	M/56	R	Hemianopsia	?	-	-	-
López-Amorós (2018) ³⁰	F/62	L	Inferior quadrantanopsia	-	+	-	-
Adjepong (2019) ³¹	M/49	L	Hemianopsia	?	-	+	-

*Macular sparing while in the presence of inferior quadrantanopsia.

F: female, L: left, M: male, OS: left eye, OU: both eyes, R: right.

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