

**Suppl 1.** Literature search on PubMed for published cases of IHSP since 2009

<b>Study</b>	<b>Age (years)</b>	<b>Sex</b>	<b>Acute/progressive</b>	<b>Ataxia</b>	<b>Weakness</b>	<b>Sensory symptoms</b>	<b>Bowel/bladder</b>	<b>Neck/back pain</b>	<b>UMN signs</b>
Alsulaiman A 2020 [4]	38	F	P	-	+	-	-	+	Yes
Bang JH et al 2015 [5]	67	F	P	+	-	-	-	+	Yes
Fakuda A et al 2017 [6]	51	M	P	-	+	-	-	+	NA
TK Jee et al 2014 [7]	58	F	P	-	+	-	-	-	No
Kim JH et al 2011 [8]	55	F	P	-	+	+	+	+	NA
	45	F	A	-	+	-	-	-	NA
Lowden MR et al 2009 [9]	42	F	P	-	-	+	-	-	Yes
Lucas Lodomiro AM 2020 [10]	19	F	A	+	+	-	-	-	NA
Olubajo F et al 2017 [11]	51	F	A	-	+	+	+	-	No
Chen et al 2012 [12]	49	M	P	-	-	-	-	+	No
Hsu et al 2015 [13]	41	M	P	-	+	+	-	-	NA
Van der pal et al 2015 [14]	58	F	P	-	+	+	+	+	Yes
Park JY et al 2020 [15]	79	F	P	+	+	-	-	+	No
Qin et al 2015 [16]	44	F	A	-	+	+	+	+	Yes
Kutty RK et al 2019 [17]	29	F	P	-	+	-	-	+	Yes
Ranasinghe et al 2011 [18]	42	F	P	+	-	+	-	-	Yes
	77	F	P	+	+	+	-	-	Yes
	65	M	P	+	-	+	-	-	No
Takahashi H et al 2010 [19]	67	M	P	-	+	+	+	-	Yes
Park TJ et al 2016 [20]	51	F	P	-	+	+	-	+	Yes

Tosa M et al 2015 [21]	63	M	P	+	+	+	+	+	No
Maheshwari V et al 2016 [22]	42	M	P	-	+	+	-	+	Yes
Present case	40	M	P	-	+	+	-	-	NO

Abbreviations: M: male, F: female, A (acute): disease onset to disability within 24 hours, P (progressive): disease onset to disability more than 24 hours, (+): present, (-): absent or not mentioned, NA: not available.

Study	Protein	Cells	ESR	CRP	RA
Alsulaiman A 2020 [4]	-	60, lymphocyte predominant	-	-	-
Bang JH et al 2015 [5]	-	-	-	-	-
Fakuda A et al 2017 [6]	-	-	-	-	-
TK Jee et al 2014 [7]	-	-	+	-	-
Kim JH et al 2011 [8]	-	-	+	+	-
Lowden MR et al 2009 [9]	-	-	+	+	-
Lucas Lodomiro AM 2020 [10]	-	-	+	-	-
Olubajo F et al 2017 [11]	-	-	-	+	-
Chen et al 2012 [12]	-	-	-	-	-
Hsu et al 2015 [13]	-	-	-	-	-
Van der pal et al 2015 [14]	-	-	-	-	-
Park JY et al 2020 [15]	-	-	+	+	+
Qin et al 2015 [16]	6,160	Lymphocyte predominant WBCs 150	-	-	-
Kutty RK et al 2019 [17]	150	Lymphocyte predominant	-	-	-
Ranasinghe et al 2011 [18]	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
Takahashi H et al 2010 [19]	-	-	+	+	+

Park TJ et al 2016 [20]	-	-	+	+	-
Tosa M et al 2015 [21]	243	20, lymphocyte predominant	+	+	-
Maheshwari V et al 2016 [22]	-	-	-	-	-
Present case	1,620	188, lymphocyte predominant	-	-	-

Abbreviations: ESR: erythrocytic sedimentation rate, WBC: white blood cells, CRP: C-reactive protein, RA: rheumatoid arthritis factor.

<b>Study</b>	<b>T1</b>	<b>T2</b>	<b>Contrast enhancement</b>	<b>Location</b>	<b>Spinal segments</b>
Alsulaiman A 2020 [4]	NA	Hypo	+	Ant and post	C2-C7
Bang JH et al 2015 [5]	Hypo	Hypo	+	Posterior	occiput to C2
Fukuda A et al 2017 [6]	Hypo	Hypo	+	Posterior	C2-T1
TK Jee et al 2014 [7]	Hypo	Hypo	-	Posterior	C5-C7
Kim JH et al 2011 [8]	Hypo	Hypo	NA	NA	C6-T7
	Hypo	Hypo	NA	Posterior	C1-C4
Lowden MR et al 2009 [9]	NA	Hypo	NA	Anterior	T2-T5
Lucas Lodomiro AM 2020 [10]	NA	NA	NA	Posterior	C7-T4
Olubajo F et al 2017 [11]	Hypo	Hypo	NA	Ant and post	T3-T8
Chen et al 2012 [12]	NA	NA	+	Anterior	T1-T3, L4
Hsu et al 2015 [13]	Hypo	Hypo	+	Circumferential	T2-T4
Van der pal et al 2015 [14]	Hypo	Hypo	+	Circumferential	C7-T7
Park JY et al 2020 [15]	Hypo	Hypo	NA	Posterior	C4-T4
Qin et al 2015 [16]	Iso	Hypo	+	Anterior	T2-T6
Kutty RK et al 2019 [17]	Hypo	Hypo	+	Anterior	C7-T1
Ranasinghe et al 2011 [18]	Hypo	Hypo	+	Circumferential	T1-T6
	NA	NA	+	Circumferential	C4-T11
	NA	NA	+	Circumferential	T4-T9
Takahashi H et al 2010 [19]	Iso	Iso	+	Anterior	C3-C7

Park TJ et al 2016 [20]	Hypo	Hypo	+	Ant and Post	T2-T9
Tosa M et al 2015 [21]	Hypo	Hypo	+	Circumferential	T11-T12
Maheshwari V et al 2016 [22]	NA	NA	+	Circumferential	C2-C5
Present case	Hypo	Hypo	+	Circumferential	C2-T2

Abbreviations: Hypo: hypointense, Iso: isointense, Ant and Post: anterior and posterior.

<b>Study</b>	<b>Drugs</b>	<b>Surgery</b>	<b>Relapse (in weeks)</b>	<b>Prognosis</b>
Alsulaiman A 2020 [4]	MPS**+PRED**	NO	24	I
Bang JH et al 2015 [5]	NO	YES	-	PI
Fukuda A et al 2017 [6]	PRED	NO	-	I
TK Jee et al 2014 [7]	MPS	YES	-	PI
Kim JH et al 2011 [8]	DEXA+MPS*+PRED**	YES	4	I
	DEXA	YES	-	NI
Lowden MR et al 2009 [9]	NA	NA	-	NA
Lucas Lodomiro AM 2020 [10]	NO	YES	-	I
Olubajo F et al 2017 [11]	IVIG+ DEXA	YES	-	PI
Chen et al 2012 [12]	STEROIDS	YES	-	I
Hsu et al 2015 [13]	NA	NA	-	NA
Van der pal et al 2015 [14]	PRED*+MTX*	YES	12	I
Park JY et al 2020 [15]	DEXA	YES	-	NI
Qin et al 2015 [16]	MPS+PRED	YES	1	NI
Kutty RK et al 2019 [17]	MPS*+PRED**	YES*	6	I
Ranasinghe et al 2011 [18]	DEXA+PRED	YES	-	PI
	DEXA+PRED	YES	-	PI
	DEXA	YES	-	NI
Takahashi H et al 2010 [19]	PRED	YES	-	I

Park TJ et al 2016 [20]	STEROID**+MTX*	YES	8	PI
Tosa M et al 2015 [21]	PRED	YES	-	I
Maheshwari V et al 2016 [22]	NO	YES	-	I
Present case	PRED	NO	-	I

\*Indicate drug used while relapse only, \*\*Indicate drugs used while initial treatment and during relapse.

Abbreviations: MPS: methylprednisolone, PRED: prednisone, DEXA: dexamethasone, IVIG: intravenous immunoglobulin, MTX: methotrexate, I: completely improved, PI: partial improvement with some remaining neurologic disability, NI: no improvement.

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