

Appendix 1. Alphabetical list of Authors of Articles Included in the Review and Summary of Study Design and Findings

Study	Level of Evidence	Research Design	Number of Cases/Number of Episodes; Case Series: Number Included	Sex	Age (Months) Case Series: Median Age/Age Range	Symptoms at Diagnosis	Location	Risk Factors	Treatment	Outcome
Abbas et al ¹	V	Case report	1	M	5	Irritability, torticollis, upper limb paraplegia, lower limb paraparesis	C4-C7, anterior	Trivial trauma (fall from 40 cm)	Laminectomy	NA
Abdelaal et al ²	V	Case report	1	M	60	Torticollis, lower limb hyperreflexia	C1-T8, posterior	Hemophilia A	Factor VIII + laminectomy	No sequelae
Abram et al ³	V	Case report	1/3	F	120	100% paraplegia; 33% back pain, anesthesia	1. NA 2. NA 3. C7-T1, posterior	33% none, 66% NA	66% conservatively; 33% laminectomy	Paraplegia and anesthesia below T5
Agha et al ⁴	V	Case report	1	M	10	Irritability, torticollis	C1-L4, posterior	Hemophilia A	Factor VIII	No sequelae
Amyot et al ⁵	V	Case report	1	NA	22	Torticollis, Erb palsy	C2-T1, posterior	Trivial trauma (fall from his own height)	Laminectomy	Left upper limb paresis
Arya et al ⁶	V	Case report	1	F	12	Irritability, lower limb paraplegia, upper limb paraparesis	C2-C6, posterior	None	Conservatively	Tetraparesis
Awada et al ⁷	V	Case report	1	M	168	Torticollis, tetraplegia, anesthesia below C5, sphincter dysfunction	C2-T2, posterior	None	Laminectomy	Tetraplegia, anesthesia below C7
Azumagawa et al ⁸	V	Case report	1	M	144	Torticollis, back pain, limb pain, left hand paresis	C4-T4, posterior	None	Conservatively	No sequelae

Balkan et al ⁹	V	Case report	1	M	204	Torticollis, back pain, tetraparesis, lower limb anesthesia, sphincter dysfunction	C6/7-T5 anterior, T5-T12 posterior	Hemophilia B	Factor IX	No sequelae
Bisson et al ¹⁰	V	Case report	1	M	84	Torticollis, limb pain	C2-T3, anterior	Hemophilia B	Factor IX	No sequelae
Blount et al ¹¹	V	Case report	1	M	0	Tetraplegia at birth	C5-T6, posterior	None	Laminotomy	Tetraplegia
Borkar et al ¹²	V	Case report	1	M	60	Back pain, paraparesis, hypoesthesia below L1, sphincter dysfunction	L4-S2, anterior	Hemophilia B	Factor IX	No sequelae
Cabral et al ¹³	V	Case report	1	M	108	Torticollis, back pain, paraplegia	C7-T4, posterior	Arteriovenous malformation	Laminectomy	No sequelae
Cakir et al ¹⁴	V	Case report	1	F	108	Limb pain, hypoesthesia under T3, paraplegia	T2-T8, posterior	Trivial trauma	Laminectomy	No sequelae
Caldarelli et al ¹⁵	IV	Case series	2; 2 50% M, F		18.5/16–24	100% hemiparesis; 50% irritability, torticollis, abdominal pain	1. C4-C7, posterior 2. C5-T4, latero-posterior	100% none	100% laminotomy	100% no sequelae
Carrea et al ¹⁶	IV	Case series	3; 1 F		48	Back pain, paraparesis, sphincter dysfunction	T5-T10	Trivial trauma (fall from his own height)	Laminectomy	No sequelae
Chang et al ¹⁷	V	Case report	1 F		60	Abdominal pain, torticollis, paraparesis, sphincter dysfunction	T6-T8, postero-lateral	None	Laminectomy	No sequelae
Chrétiennot-Bara et al ¹⁸	IV	Case series	2; 2 100% M		54/12–96	100% paresis; 50% abdominal pain, back pain, irritability, hypoesthesia	1. C7-L5, posterior 2. T11-L5	100% coagulopathy (50% hemophilia B, hemophilia A)	50% factor; 50% factor + laminectomy	100% no sequelae

Cirek et al ¹⁹	V	Case report	1	M	96	Torticollis, tetraplegia	C3-C7, posterior	None	Laminectomy	No sequelae
Cooper ²⁰	V	Case report	1	F	168	Torticollis, tetraplegia, anesthesia below T5	C3-C5	None	Laminectomy	No sequelae
Cromwell et al ²¹	V	Case report	1	M	18	Irritability, torticollis, tetraparesis	C2-T8	Hemophilia A + trivial trauma	Factor VIII, laminectomy	Tetraparesis
Cuvelier et al ²²	V	Case report	1	M	10	Irritability, torticollis, upper paraplegia, lower paraparesis	C2-T8, posterior	Hemophilia A	Factor VIII, laminectomy	No sequelae
Dauch ²³	V	Case report	1	M	132	Intermittent back pain, paraparesis	T1-T3, posterior	None	Laminectomy	Paraparesis
Dawson ²⁴	IV	Case series	2; 2 50% M, F		150 / 120-180	100% back pain; 50% tetraplegia, hypoesthesia	1. T2-T6 2. L2-L5	50% arteriovenous malformation, arteriovenous malformation + trivial trauma	100% laminectomy	100% no sequelae
Doymaz et al ²⁵	V	Case report	1	M	168	Back pain, tetraplegia, anesthesia	C1-T2, anterior	Coagulopathy	Laminectomy, transfusion	Tetraparesis
Erkutlu et al ²⁶	V	Case report	1	M	60	Irritability, torticollis, paraplegia, anesthesia in lower limbs, sphincter dysfunction	T9-T10, posterior	Hemophilia A + trivial trauma	Activated prothrombin complex concentrate	Paraparesis
Fok et al ²⁷	V	Case report	1	M	15	Torticollis, upper limb paraplegia, lower limb paraparesis	C3-T8, posterior	None	Laminectomy	No sequelae
Fruchtman et al ²⁸	V	Case report	1	M	6	Irritability, pain	T7-T10, posterior	Hemophilia A	Factor VIII	No sequelae
Gelabert et al ²⁹	IV	Case series	8; 1	F	48	Back pain, paraparesis	T2-T5, posterior	Angiolipoma	Laminectomy	No sequelae
Ghanem et al ³⁰	V	Case report	1	M	96	Back pain, paraplegia, anesthesia,	T1-T3, posterior	Trivial trauma (lifting weight)	Laminectomy	No sequelae

						sphincter dysfunction				
Grollmus ³¹	IV	Case series	2; 1	NA	180	Back pain, limb pain, tetraplegia	C6-T1, posterior	None	Laminectomy	No sequelae
Gupta et al ³²	V	Case report	1	M	72	Torticollis, tetraparesis	C3-T4	Trivial trauma (blow on the neck)	Laminectomy	No sequelae
Güzel et al ³³	V	Case report	1	F	168	Back pain, upper paraparesis, lower paraplegia, anesthesia below T6, sphincter dysfunction	C4-T6, posterior	Trivial trauma (convulsion)	Laminectomy	Paraparesis, sphincter dysfunction
Hamre et al ³⁴	V	Case report	1	M	108	Torticollis, back pain, paresis, hypoesthesia, sphincter dysfunction	C2/3-T6 anterior	Hemophilia B	Factor IX	No sequelae
Hasni Bouraoui ³⁵	IV	Case series	3; 1	M	156	Torticollis, back pain, paraparesis	T2-T6, posterior	None	Laminectomy	No sequelae
Heer et al ³⁶	V	Case report	1	M	144	Torticollis, tetraparesis, sphincter dysfunction, anesthesia below T4	C5-C6, posterior	Hemophilia A (unknown)	Laminectomy, factor VIII	Tetraparesis, sphincter dysfunction
Hehman ³⁷	V	Case report	1	M	16	Irritability, torticollis, tetraparesis	C6-T9, posterior	Trivial trauma	Laminectomy	No sequelae
Horcajadas et al ³⁸	IV	Case series	2; 1	F	48	Back pain, limb pain, torticollis, paraplegia, hypoesthesia, sphincter dysfunction	T2-T4, posterior	None	Laminectomy	No sequelae
Hosoki et al ³⁹	V	Case report	1	M	11	Irritability, torticollis, tetraparesis	T9-L1, posterior	None	Laminectomy	No sequelae
Hutt et al ⁴⁰	V	Case report	1	M	11	Irritability, abdominal pain	T9-T12, posterior	Hemophilia A	Factor VIII	No sequelae

Iguchi et al ⁴¹	V	Case report	1	F	14	Paraplegia	T3-T6, posterior	None	Laminectomy	No sequelae
Iizuka et al ⁴²	V	Case report	1	M	60	Torticollis, back pain, tetraplegia	C2-T1, anterior	Hemophilia A	Factor VIII, laminoplasty	No sequelae
Irwin et al ⁴³	V	Case report	1	M	10	Irritability, torticollis, back pain, abdominal pain, paraparesis, sphincter dysfunction	C4-L1, posterior	Hemophilia A	Factor VIII, laminectomy	No sequelae
Iwamuro et al ⁴⁴	V	Case report	1	M	7	Irritability, abdominal pain, paresis	T1-L1, posterior	Hemophilia B	Factor IX	No sequelae
Jackson ⁴⁵	V	Case report	1	F	168	Paraplegia	C1-C7, anterior	None	Autopsy	Death
Jackson ⁴⁶	V	Case report	1	F	168	Paraparesis, lethargy	T1-T5, posterior	None	Laminectomy	No sequelae
Johnston ⁴⁷	V	Case report	1	M	60	Abdominal pain, paraplegia	T9-T11 posterior	Hemangioma	Autopsy	Death
Jones et al ⁴⁸	IV	Case series	3; 1	M	144	Torticollis, back pain, paraplegia	C6-T1, posterior	Hemophilia	Laminectomy	Paraplegia
Joseph et al ⁴⁹	V	Case report	1	F	204	Back pain, paraplegia, hypoesthesia below T4, sphincter dysfunction	C7-T2, posterior	None	Laminectomy	Paraparesis
Jost et al ⁵⁰	V	Case report	1	M	84	Thoracic back pain	T10-T11, posterior	Hemophilia B	Factor IX	No sequelae
Jumani et al ⁵¹	V	Case report	1	M	24	Torticollis, right hemiparesis	C4-T7, posterior	None	Laminectomy	No sequelae
Kalina et al ⁵²	V	Case report	1	M	7	Irritability, torticollis, paraparesis	C2-L4, posterior	Hemophilia A (unknown)	Factor VIII	No sequelae
Khursheed et al ⁵³	V	Case report	1	M	48	Back pain, paraparesis, hypoesthesia below T7, sphincter dysfunction	T6-T8, posterior	Hemophilia A	Factor VIII, Laminotomy	Paraparesis

	IV	Case series	2; 2			100% M	174 / 168-180	100% hemiparesis, anesthesia, sphincter dysfunction; 50% back pain, torticollis	1. T6-T8, posterior 2. C6-C7, posterior	100% trivial trauma	100% laminectomy	50% no sequelae, paraparesis, sphincter dysfunction
Khursheed et al ⁵⁴	V	Case report	1	M	5	Irritability, torticollis, tetraparesis	C1-conus, posterior	Hemophilia A	Factor VIII	No sequelae		
Kiehna et al ⁵⁵	V	Case report	1	M	120	Torticollis, limb paresis	C5-T1, lateral	Arteriovenous malformation	Laminectomy	No sequelae		
Kitagawa et al ⁵⁷	V	Case report	1	F	144	Back pain, paraplegia, anesthesia below T4, sphincter dysfunction	T1-T3, latero-posterior	Arteriovenous malformation	Laminectomy	Paraparesis		
Kotilainen et al ⁵⁸	V	Case report	1	M	156	Pain, paresthesia	L4-L5, lateral	Trivial trauma	Laminectomy	No sequelae		
Kubota et al ⁵⁹	V	Case report	1	M	4	Irritability, hemiplegia	C4-S1, posterior	Hemophilia A (unknown)	Factor VIII	No sequelae		
Lannum et al ⁶⁰	V	Case report	1	M	204	Back pain, paraplegia, anesthesia below T6	T2-T3, posterior	Arterio-venous fistula	Laminectomy	Paraparesis		
Lee et al ⁶¹	V	Case report	1	M	4	Irritability, torticollis, tetraplegia	C4-T4, latero-posterior	None	Laminectomy	No sequelae		
Lee et al ⁶²	V	Case report	1	M	32	Torticollis, paraplegia	C4-T3, posterior	None	Laminectomy	No sequelae		
Lehman et al ⁶³	V	Case report	1	M	144	Back pain, paraplegia, hypoesthesia below T4	C7-T4, posterior	Trivial trauma	Laminectomy	Paraplegia		
Lepintre et al ⁶⁴	IV	Case series	3; 3			33% M; 66% F	72 / 17-96	100% tetraplegia; 33% torticollis, sphincter dysfunction	1. C3-C7, posterior 2. C2-T2 posterior 3. C7-T1 posterior	33% trivial trauma, hemophilia, none	100% laminectomy	66% no sequelae; 33% tetraplegia
Lepoire et al ⁶⁵	IV	Case series	4; 1	M	180	Back pain, paraplegia	C6-T1, posterior	None	Laminectomy	No sequelae		

Liao et al ⁶⁶	IV	Case series	17; 1	M	24	Torticollis, tetraplegia	C2-T4, posterior	Trivial trauma	Laminectomy	No sequelae
Liao et al ⁶⁷	IV	Case series	35; 1	F	7	Irritability, paraplegia	C7-T7, posterior	None	Laminectomy	Paraplegia
Licata et al ⁶⁸	IV	Case series	10; 1	M	18	Tetraparesis	T1-T2	None	Laminectomy	No sequelae
Lim et al ⁶⁹	V	Case report	1	F	20	Torticollis, paraparesis, sphincter dysfunction	C7-T4, posterior	None	Laminectomy	Paraparesis
Lo ⁷⁰	IV	Case series	2	100% M	102 / 72-132	100%: paraplegia, anesthesia, sphincter dysfunction; 50% back pain	1. T3-T5, posterior 2. C7-T4 posterior	100% hemangioma	100% laminectomy	100% paraparesis; 50% sphincter dysfunction, hypoesthesia
Matsume et al ⁷¹	V	Case report	1 / 2	M	156	100% limb pain, paraparesis, hypoesthesia, sphincter dysfunction; 50% paraplegia	1. NA 2. C4-C7 posterior	50% NA, none	50% conservatively, laminectomy	50% no sequelae, paraparesis
Mayer et al ⁷²	IV	Case series	4; 1	F	204	Back pain, paraplegia, Horner syndrome	C7-T1, posterior	Angioma	Laminectomy	Paraplegia
Min et al ⁷³	V	Case report	1	M	8	Irritability, paraplegia	C7-T3, posterior	Vascular malformation	Laminectomy	No sequelae
Miyagi et al ⁷⁴	V	Case report	1	M	192	Torticollis, tetraplegia, hypoesthesia below C4	C2-C6, posterior	Vascular malformation	Laminectomy	No sequelae
Morsing et al ⁷⁵	V	Case report	1	M	13	Irritability, torticollis, back pain, abdominal pain, paraparesis, Horner syndrome	C1-sacrum, posterior	Hemophilia A	Factor VIII	No sequelae
Muhonen et al ⁷⁶	V	Case report	1	M	22	Irritability, tetraparesis	C5-T2, posterior	Vascular malformation	Laminectomy	No sequelae
Nagel et al ⁷⁷	V	Case report	1	F	84	Torticollis, back pain,	C4-C5, posterior	Trivial trauma	Laminectomy	No sequelae

					limb pain, paresis					
Narawong et al ⁷⁸	IV	Case series	2; 2	50% M, NA	28 / 8-48	100% torticollis; 50% back pain, limb pain, irritability	1. T1-T5, posterior 2. C2-T3, posterior	50% hemophilia A+ trivial trauma, hemophilia A	100% factor VIII	100% no sequelae
Nayak et al ⁷⁹	V	Case report	1	F	144	Back pain, paraplegia, anesthesia below T4, sphincter dysfunction	C7-T3, posterior	None	Laminectomy	Paraparesis, anesthesia below T10
Nichols et al ⁸⁰	V	Case report	1	M	180	Back pain, paraplegia, anesthesia below T4	C6-T1, posterior	Vascular malformation	Laminectomy	No sequelae
Nirupam et al ⁸¹	V	Case report	1	M	108	Abdominal pain, paraplegia, anesthesia, sphincter dysfunction	C6-T12, posterior	Hemophilia B	Factor IX, surgery	Death
Noth et al ⁸²	V	Case report	1	M	6	Irritability, torticollis, upper paraplegia, lower paraparesis	C2/3-T6, posterior	Hemophilia A	Factor VIII	No sequelae
Ohegbulam et al ⁸³	IV	Case series	3; 1	M	180	Back pain, limb pain	L3-L4, latero- posterior	Trivial trauma	Conservatively	No sequelae
Oymak et al ⁸⁴	V	Case report	1	M	10	Irritability, torticollis, paraparesis	C1-conus, posterior	Hemophilia A	Factor VIII, VIIa	No sequelae
Packer et al ⁸⁵	IV	Case series	2; 1	50% M, F	180 / 156- 204	100% back pain, paraplegia, anesthesia	1. C7-T7 2. T9, posterior	100% vascular malformation	100% laminectomy	50% no sequelae, paraparesis
Pai et al ⁸⁶	V	Case report	1	M	15	Irritability, upper paraplegia, lower paraparesis	C4-T3, posterior	None	Laminotomy	No sequelae
Paraskevopoulos et al ⁸⁷	V	Case report	1	M	96	Paraplegia	C6-T2, posterior	Vascular malformation	Laminectomy	Paraparesis
Patel et al ⁸⁸	V	Case report	1	M	18	Irritability, torticollis,	C1-T2, posterior	None	Laminectomy	Tetraparesis

					upper paraplegia, lower paraparesis				
Patel et al ⁸⁹	IV	Case series	2; 2	50% M; 50% F	35; / 22- 48	50% irritability, paraparesis, torticollis	1. C7-T10, posterior 2. C7-T1, anterior	50% none, trivial trauma	50% laminectomy, conservatively 100% no sequelae
Pear ⁹⁰	IV	Case series	8; 1	M	180	Back pain, paraparesis	T5-T7	Trivial trauma	Laminectomy No sequelae
Pecha et al ⁹¹	V	Case report	1	M	168	Back pain, lower paraplegia, upper paraparesis	T1-T4, posterior	None	Laminectomy Paraparesis
Per et al ⁹²	IV	Case series	10; 1	M	60	Torticollis, back pain	C3-T2, posterior	Hemophilia A	Factor VIII No sequelae
Poonai et al ⁹³	V	Case report	1	F	11	Irritability, paraplegia	C4-T3, posterior	None	Laminectomy Paraparesis
Posnikoff ⁹⁴	V	Case report	1	F	30	Irritability, torticollis, back pain, tetraparesis	C5-T5, posterior	None	Laminectomy No sequelae
Rajz et al ⁹⁵	IV	Case series	17; 2	100% F	144 / 120- 168	100% back pain, paraplegia; 50% hypoesthesia	1. T2-T4, posterior 2. T9-T11, posterior	100% trivial trauma	100% laminectomy 50% no sequelae, paraparesis
Ramelli et al ⁹⁶	IV	Case series	2; 2	50% M, F	84,5 / 7- 162	50% irritability, back pain, paraplegia, tetraplegia	1. C5-T2, posterior 2. C6-T7, posterior	50% synovial cyst, none	100% laminectomy 50% paraparesis, paraplegia
Rao et al ⁹⁷	V	Case report	1	M	204	Paraparesis	L4-L5	Trivial trauma	Laminectomy No sequelae
Rathi ⁹⁸	V	Case report	1	M	3	Tetraparesis, hypoesthesia, sphincter dysfunction	C2-T5, posterior	Hemophilia A (unknown)	Factor VIII No sequelae
Ratre et al ⁹⁹	V	Case report	1	M	168	Back pain, paraplegia, anesthesia below T4, sphincter dysfunction	T1-T2, anterior	None	Laminectomy Paraplegia, anesthesia below T4, sphincter dysfunction

Ravid et al ¹⁰⁰	V	Case report	1	F	120	Limb pain, paresis, hypoesthesia	C6-T1, antero-lateral	Trivial trauma	Laminectomy	No sequelae
Rebello et al ¹⁰¹	V	Case report	1	M	132	Torticollis, back pain, tetraplegia	C3-C7, posterior	Trivial trauma	Laminectomy	Paraparesis
Robertson et al ¹⁰²	V	Case report	1	F	72	Back pain, paraplegia, hypoesthesia below T4	T1-T3	None	Laminectomy	Paraparesis
Rois et al ¹⁰³	V	Case report	1	M	156	Back pain, paraparesis	T5-T6, posterior	Hemophilia A + trivial trauma	Factor VIII, laminectomy	No sequelae
Rosenberg et al ¹⁰⁴	V	Case report	1	F	168	Back pain, paraparesis, sphincter dysfunction	T3-T5, posterior	Trivial trauma	Laminectomy	No sequelae
Sandvik et al ¹⁰⁵	V	Case report	1	M	12	Paraplegia	C6-T7, posterior	Cavernous angioma	Laminotomy	No sequelae
Sankar et al ¹⁰⁶	V	Case report	1	M	48	Torticollis	C2-C7, anterior	Hemophilia B (unknown)	Factor IX	NA
Scheil et al ¹⁰⁷	IV	Case series	7; 1	M	192	Torticollis, back pain, tetraplegia, anesthesia below T3	C7-T2, posterior	None	Laminectomy	No sequelae
Schoonjans et al ¹⁰⁸	V	Case report	1	M	8	Irritability, paraplegia, sphincter dysfunction	C5-L1, posterior	None	Laminectomy	Tetraparesis
Scott ¹⁰⁹	V	Case report	1	F	108	Back pain, limb pain, paraplegia, anesthesia below T4, sphincter dysfunction	T1-T4, posterior	None	Laminectomy	No sequelae
Sheikh et al ¹¹⁰	V	Case report	1	M	84	Back pain, hemiparesis	C3-L5, posterior	Hemophilia B, trivial trauma	Factor IX	No sequelae
Shenkin et al ¹¹¹	V	Case report	1	M	20	Irritability, paraplegia	C7-T7	None	Laminectomy	No sequelae
Shin et al ¹¹²	IV	Case series	14; 1	M	204	Tetraplegia, anesthesia	C5-C6, posterior	None	Laminectomy	Tetraparesis
Shin et al ¹¹³	V	Case report	1 / 3	F	192	100% torticollis, pain; 33%	C7-T2 anterior	None	66% laminectomy, 33% conservative	66% no sequelae; 33% paraparesis, sphincter dysfunction, syringomyelia

					tetraparesis, hypoesthesia below C7, sphincter dysfunction				
Sivakumaran et al ¹¹⁴	IV	Case series	2; 2	50% M, F	126 / 96- 156	100% sphincter dysfunction 50% torticollis, back pain, tetraparesis, paraplegia,	1. C4/5-C7/T1, posterior 2. C7/T1-T4/5	100% arteriovenous malformation	50% laminectomy, laminotomy 50% no sequelae, paraparesis
Soundappan et al ¹¹⁵	V	Case report	1	F	11	Irritability, torticollis, paraplegia	C6-T7, posterior	Trivial trauma	Laminectomy Paraparesis, Horner syndrome
Stanley et al ¹¹⁶	V	Case report	1	M	156	Back pain, limb pain, paraparesis, hypoesthesia below T8	T5-T8, anterior	Hemophilia A (unknown), trivial trauma	Factor VIII, laminectomy No sequelae
Tagaya et al ¹¹⁷	V	Case report	1	M	4	Irritability, hemiparesis	C2/3-L2, posterior	Hemophilia A (unknown)	Factor VIII No sequelae
Tamura et al ¹¹⁸	V	Case report	1	M	60	Torticollis, paraparesis, sphincter dysfunction	C7-T1, latero- posterior	Hemophilia A	Factor VIII, laminectomy Paraparesis
Tender et al ¹¹⁹	V	Case report	1	F	144	Torticollis, tetraparesis, sphincter dysfunction	C6-T2, posterior	None	Laminectomy No sequelae
Tewari et al ¹²⁰	IV	Case series	3; 3	66% M; 33% F	96 / 60-132	100% sphincter dysfunction; 66% torticollis, back pain, tetraplegia; 33% limb pain, paraparesis	1. C4-C7 2. C5-T4 3. T10-L4	66% none; 33% trivial trauma	100% laminectomy 66% tetraparesis; 33% paraparesis
Travis et al ¹²¹	V	Case report	1	M	20	Irritability, paraparesis	C5-Cauda equina	Hemophilia A	Factor VIII, laminectomy No sequelae
Valladares ¹²²	IV	Case series	2; 2	50% M, F	31,5 / 30- 33	50% paraplegia, tetraplegia	1. T3-T5 2. C7-T3	50% none, trivial trauma	100% laminectomy 50% no sequelae, tetraparesis

Vallee et al ¹²³	V	Case report	1	F	22	Irritability, torticollis, tetraparesis	C5-T1	None	Laminectomy	No sequelae
Van Heesewijk et al ¹²⁴	V	Case report	1	F	48	Torticollis, paresis	C2-C6, posterior	None	Laminectomy	No sequelae
Ventureyra et al ¹²⁵	V	Case report	1	M	96	Back pain, paraplegia, sphincter dysfunction	T1-T3, posterior	Trivial trauma	Laminectomy	No sequelae
Visconti et al ¹²⁶	IV	Case series	8; 1	NA	84	Paraplegia, sphincter dysfunction	NA	Hemophilia A+B + trivial trauma	Factor VIII, IX,	Paraparesis
Williams et al ¹²⁷	IV	Case series	2; 1	F	84	Torticollis, tetraparesis, Horner syndrome	C4-T2, latero-posterior	None	Laminectomy	Tetraparesis
Wittebol et al ¹²⁸	IV	Case series	4; 1	F	72	Torticollis, back pain, tetraplegia, sphincter dysfunction	C6-T5, posterior	None	Laminectomy	Tetraparesis
Yildiz et al ¹²⁹	V	Case report	1	F	96	Back pain, paraplegia, sphincter dysfunction	T2-T4, latero-anterior	None	Laminectomy	No sequelae
Zhong et al ¹³⁰	V	Case report	1	M	84	Torticollis, paraparesis	C2-T1, anterior	Hemophilia B + trivial trauma	Factor IX	No sequelae
Presenting cases	III	Systematic reviews of case studies	2	50% M, F	69,5 / 55-84	100% torticollis; 50% tetraparesis, sphincter dysfunction	1. C2/3-T1, latero-posterior 2. C3-C5, latero-posterior	50% arteriovenous malformation + trivial trauma, none	50% laminectomy, conservative	100% no sequelae

NA = Not available

Alphabetical reference list of cases

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