

Table E-1 Pigmented Villonodular Synovitis of the Cervical Spine\*

Study	AGE & SEX	PRESENTING SYMPTOMS	NEUROLOGICAL EXAMINATION	SITE	TREATMENT	OPERATIVE FINDINGS	COURSE
Kleinman et al. <sup>13</sup> (1980)	65 F	Frank myelopathy; neck pain; Incontinence of urine & feces	Hyperreflexive DTR; Decreased vibratory sensation	C3-C6	C2-C7 laminectomy Partial excision	Epidural mass; PLL stretched/elevated; No bone invasion	Myelopathy resolving - 8 mos
Pulitzer and Reed <sup>15</sup> (1984)	35 F	Hypopharyngeal mass; cough for 2 mos	Normal examination	C1-C4	Total excision	Mass adherent to pharyngeal wall anteriorly and loosely attached to base of skull posteriorly; no bone invasion	No recurrence - 11 yrs
Karnezis et al. <sup>11</sup> (1990)	37 F	Cervical pain for 1 year after MVA	Normal examination	C7	C7 laminectomy; Partial C6/T1 laminectomy Total excision	Facet joint involvement; Epidural mass present	Asymptomatic; No recurrence - 79 mos
Khoury et al. <sup>12</sup> (1991)	84 M	“cervical myelopathy”	Not stated	C4-C5	Total excision	Facet joint involvement; Epidural mass present; No bone invasion	Myelopathy resolving; No recurrence – 12 mos
Mahmood et al. <sup>14</sup> (1992)	42 F	Asymptomatic; Incidental finding	Normal examination	C6-C7	Partial laminectomy Total excision	Laminar erosion without invasion; Facet joint involvement	Not specified
Giannini et al. <sup>10</sup> (1996)	37 F	Examination not specified	Not separated by individual; Pain and paraesthesia in half; Mild weakness in one; Acute paraparesis in one after MVC	C5	Total excision	Facet joint involvement; No epidural mass	Re-exploration/ fusion - 10 mos; mild neck pain; No recurrence - 9 yrs
	37 F	MVA 12 mos prior to admission Examination not specified		C7	Total excision	Facet joint involvement; Epidural mass present	No recurrence - 66 mos
	38 M	Work-related accident 20 mos prior to presentation; cervical pain		C4-C5	Total excision	Facet joint involvement; Epidural mass present	Recurrence - 1 yr; 2 additional procedures; No recurrence - 55 mos
	43 M	Examination not specified		C5	Total excision	Facet joint involvement; Epidural mass present; spinous process invasion	No recurrence - 36 mos
	26 M	Examination not specified		C6	Total excision	Facet joint involvement; Epidural mass present	No recurrence - 11 mos
	44 M	Examination not specified		C5-C6	Total excision	Facet joint not involved; Epidural mass present	No recurrence - 6 mos
Bui-Mansfield et al. <sup>9</sup> (1996)	25 M	Asymptomatic; Incidental finding after MVA	Normal examination	C3-C5	Total excision	Lateral mass of C4 replaced by tumor	Not specified
Current study	46 F	Axial neck pain for 9 mos	Normal examination	C1-C2	Total excision; Screw fixation and posterior wiring	Facet joint involvement; C1-C2 invasion with occlusion of vertebral artery	No recurrence - 2 yrs

\*MVA – Motor vehicle accident, PLL – Posterior longitudinal ligament, DTR – Deep tendon reflex, and MVC – Motor vehicle collision