

Table E-1. Summary of Variations in the Definition of Multidirectional Instability in the Literature

Study	Year	No. of Cases	Definition of Multidirectional Instability	No. of Directions with Instability	Laxity Testing as a Criterion for Multidirectional Instability		
					Included	Specification of Testing Condition (Awake vs. Under Anesthesia)	Inclusion of Symptoms
Massoud et al. ²⁷	2002	10	Defined	>1	Yes	Not stated	Not stated
Choi and Ogilvie-Harris ⁴⁰	2002	53	Defined	>1	Yes	Yes (both)	Not stated
Fitzgerald et al. ⁴⁴	2002	33	Defined	>1	Yes	Yes (both)	Yes (sulcus sign)
Gartsman et al. ⁴⁹	2001	47	Defined	>2	Yes	Yes (awake)	Yes
Levy et al. ⁴⁶	2001	61	Not stated	Not stated	Yes	Yes (under anesthesia)	Not stated
Yoldas et al. ⁴⁵	2001	43	Defined	>1	Yes	Yes (both)	Yes
Lyons et al. ⁴⁷	2001	27	Not stated	Not stated	Not stated	Not stated	Not stated
Bak et al. ¹⁶	2000	26	Not stated	>1	Not stated	Not stated	Not stated
Pollock et al. ²⁰	2000	52	Defined	3	Yes	Yes (both)	Not stated
Treacy et al. ⁴¹	1999	25	Not stated	Not stated	Yes	Yes (under anesthesia)	Not stated
Hamada et al. ⁴²	1999	34	Not stated	Not stated	Yes	Yes (awake)	Not stated
Nixon and Lindendorf ⁴³	1998	16	Not stated	>1	Yes	Yes (awake)	Yes
McIntyre et al. ⁵⁰	1997	19	Not stated	Not stated	Yes	Yes (awake)	Not stated
Duncan and Savoie ⁵¹	1993	10	Not stated	>1	Not stated	Not stated	Not stated
Burkhead and Rockwood ⁵²	1992	39	Not stated	Not stated	Not stated	Not stated	Not stated
Cooper and Brems ²¹	1992	43	Not stated	>1	Yes	Yes (both)	Not stated
Lebar and Alexander ⁵³	1992	10	Not stated	Not stated	Yes	Yes (both)	Not stated
Altchek et al. ¹⁵	1991	42	Defined	2	Yes	Yes (under anesthesia)	Not stated
Neer and Foster ⁵	1980	40	Defined	3	Yes	Yes (both)	Not stated