

Table 1: Included studies

Study	Year	Country	Language	Data collection	Study design	Study enrollment	Number of centers	Laterality reported	Imaging modality	Follow-up (months)	Number of participants after				
											fSVD	fFD	fVD	spatula	CS
Dietz et al. ⁷	2005	Australia	English	Prospective	Observational	Arbitrary	One	no	Ultrasound	>3-6	x	4	8	x	11
Kearney et al. ⁵³	2006	USA	English	Retrospective	Cross sectional	Not reported	Multicenter	no	MRI	>6-12	130	18	12	x	x
Valsky et al. ⁴³	2009	Israel	English	Prospective	Cross sectional	Consecutive	One	no	Ultrasound	0-1	x	x	x	x	15
Novellas et al. ²⁸	2010	France	English	Prospective	Cross sectional	Consecutive	One	no	MRI	0-1	x	x	x	x	30
Krofta et al. ³⁷	2009	Czech Republic	English	Prospective	Observational	Arbitrary	One	no	Ultrasound	>6-12	x	76	x	x	x
Heilbrun et al. ²⁶	2010	USA	English	Prospective	Cohort	Consecutive	Multicenter	no	MRI	>6-12	x	x	x	x	29
Shek et al. ⁴²	2010	Australia	English	Prospective	Observational	Arbitrary	One	no	Ultrasound	>3-6	186	20	34	x	126
Albrich et al. ³²	2012	Germany	English	Prospective	Cross sectional	Consecutive	One	no	Ultrasound	0-1	70	1	10	x	76
Cassado Garriga et al. ²⁹	2011	Spain	English	Prospective	Observational	Arbitrary	One	yes	Ultrasound	>1-3	60	60	x	x	60
Cassado Garriga et al. ³⁴	2011	Spain	English	Prospective	Observational	Arbitrary	Multicenter	no	Ultrasound	0-1, >6-12	20	20	x	x	20
Brandon et al. ²⁴	2012	USA	English	Prospective	Observational	Arbitrary	One	no	MRI	>1-3	x	2	x	x	20
Chan et al. ³⁰	2012	China	English	Prospective	Observational	Arbitrary	One	no	Ultrasound	>1-3	201	14	48	x	76
Araujo Junior et al. ⁵²	2013	Brazil	English	Prospective	Cross sectional	Arbitrary	One	no	Ultrasound	0-1	16	9	x	x	10
Cassado Garriga et al. ³⁸	2014	Spain	English	Prospective	Observational	Arbitrary	One	yes	Ultrasound	>12	194	x	x	x	x
Liu et al. ⁵⁴	2014	China	English	Retrospective	Case-control	Arbitrary	One	no	Ultrasound	0-1	47	x	x	x	48

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Marsoosi et al. ⁵⁵	2015	Iran	English	Retrospective	Cross sectional	Consecutive	One	no	Ultrasoun d	0-1	x	x	x	x	25
Aydin et al. ³⁶	2014	Turkey	English	Prospective	Cross sectional	Arbitrary	One	no	Ultrasoun d	0-1	x	x	x	x	87
van Delft et al. ¹⁴	2014	UK	English	Prospective	Cohort	Consecutive	One	no	Ultrasoun d	>1-3	92	21	30	x	48
Chan et al. ⁵⁰	2014	China	English	Prospective	Cohort	Consecutive	One	no	Ultrasoun d	>1-3, >12	192	14	46	x	76
Thibault- Gagnon et al. ⁴⁰	2014	Canada	English	Prospective	Observational	Arbitrary	Multicenter	no	Ultrasoun d	>3-6	160	22	47	x	65
Volløyhaug et al. ²⁵	2015	Norway	English	Prospective	Cross sectional	Consecutive	One	yes	Ultrasoun d	>12	217	159	131	x	101
Chan et al. ²⁷	2016	China	English	Prospective	Cohort	Consecutive	One	no	Ultrasoun d	>6-12	x	x	x	x	x
Chung et al. ³¹	2015	China	English	Prospective	Observational	Arbitrary	One	no	Ultrasoun d	>1-3	x	42	247	x	x
Guedea et al. ³³	2015	Spain	English	Prospective	Observational	Arbitrary	One	no	Ultrasoun d	>6-12	11	x	14	13	17
Aydin et al. ⁴⁶	2015	Turkey	English	Prospective	Cross sectional	Not reported	One	no	Ultrasoun d	0-1, >3-6	84	x	x	x	x
Michalec et al. ⁴⁸	2015	Czech Republic	English	Retrospective	Observational	Arbitrary	Multicenter	yes	Ultrasoun d	>6-12	92	x	92	x	x
Garcia- Mejido et al. ⁴⁹	2016	Spain	English	Prospective	Observational	Arbitrary	One	yes	Ultrasoun d	>6-12	74	0	0	0	0
Shi et al. ⁵⁶	2016	China	English	Retrospective	Case-control	Not reported	One	yes	MRI	>1-3	10	x	x	x	x
Garcia- Mejido et al. ³⁵	2017	Spain	English	Prospective	Observational	Arbitrary	One	no	Ultrasoun d	>12	51	x	54	x	x
Volløyhaug et al. ⁴¹	2017	Norway	English	Prospective	Observational	Arbitrary	Multicenter	no	Ultrasoun d	>12	x	x	x	x	45
Garcia- Mejido et al. ⁴⁷	2017	Spain	English	Prospective	Observational	Arbitrary	One	yes	Ultrasoun d	>6-12	73	x	73	x	x
Abdool et al. ²²	2018	South Africa	English	Prospective	Observational	Arbitrary	One	no	Ultrasoun d	>3-6	51	5	4	x	24
Caudwell-Hall et	2017	Australia	English	Retrospective	Cross sectional	Arbitrary	One	no	Ultrasoun	>3-6	452	55	102	x	235

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Kruger et al. ³⁹	2017	New Zealand	English	Prospective	Observational	Arbitrary	One	no	Ultrasound	>3-6	x	x	x	x	x
Youseff et al. ⁵¹	2019	Italy	English	Prospective	Case-control	Not reported	Multicenter	no	Ultrasound	>3-6	262	x	x	x	x
Araujo et al. ⁴⁴	2018	Brazil	English	Prospective	Cross sectional	Consecutive	One	no	Ultrasound	>12	24	x	x	x	21
Kamisan Atan et al. ⁴⁵	2018	New Zealand	English	Prospective	Cross sectional	Consecutive	Multicenter	no	Ultrasound	>12	27	8	0	x	18

Abbreviations: MRI – magnetic resonance imaging, fSVD – first spontaneous vaginal delivery, fFD – first forceps delivery, fVD – first vacuum assisted delivery, CS – cesarean section