

**Supplementary Table S1: Detailed Characteristics of Included Studies (n=125)**

Serial (Ref)	First Author, Year	Study Design	Sample Size (Patients / Feet)	Intervention Type	Publication Era	Setting	Key Outcomes Reported	Follow-up Duration (Mean/Range)	Age at Presentation (Mean months)	Risk Factors/Barriers Addressed	ROBINS-I Overall Risk	Notes
1 (17)	Shah GA, 1990	Prospective	52 / NR	Surgical (PMR)	1990-1999	Shaikh Zaid Hosp, Lahore	Success, complications	Short (<1 year)	3.75	None	Critical	Prospective study of 53 cases
2 (18)	Riaz A, 1992	Prospective	54 / 80	Surgical (Turco PMR)	1990-1999	Lahore	Correction, complications	Short (<1 year)	6-49	None	Serious	Prospective
3 (19)	Rasul A, 1992	Retrospective	117 / NR	Surgical (modified Attenborough)	1990-1999	Mayo Hosp, Lahore	Outcomes, complications	Short (<1 year)	NR	None	Serious	Retrospective
4 (20)	Ghulam Mahboob, 1994	Retrospective	146 / 208	Surgical	1990-1999	JPMC, Karachi	Management outcomes	Short (<1 year)	1 day-12 wk (non-op); 4 wk-4 yr (op)	None	Critical	Retrospective
5 (21)	Hussain	Retrospective	20 / NR	Surgical (modified incision)	2000-2004	KEMC/ Mayo	4-year follow-up outcomes	Up to 4 years	~4.3 yr	None	Serious	Retrospective

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6 (22)	FN, 2001	Retrospective	110 / 165	Conservative (Kite)	2000-2004	Hosp, Lahore	Conservative results	Short (<1 year)	1-12 wk	None	Serious	Retrospective
7 (23)	Shah ab ud din, 2004	Case series	NR	Surgical (Window procedure)	2000-2004	HMC/LR H, Peshawar	Surgical correction	NR	NR	None	Critical	Unique variant
8 (24)	Moh amm ad S, 2004	Retrospective	NR	Surgical	2000-2004	Abbasi Shaheed Hosp, Karachi	Operative treatment	Short (<1 year)	NR	None	Serious	Retrospective
9 (25)	Reha na Ali S, 2004	Retrospective	30 / 38	Surgical	2005-2009	Lady Reading Hosp, Peshawar	Evaluation of procedures	Short (<1 year)	4 mo-6 yr	None	Serious	Retrospective
10 (26)	Ismat ullah, 2006	Prospective	15 / 21	Surgical (double zigzag incision)	2005-2009	Baqai Medical Univ, Karachi	Outcome of severe neglected	Short (<1 year)	6 mo-4 yr	Neglected cases	Moderate	Prospective
11 (27)	Khan MA, 2006	Case series	NR	Ponseti	2005-2009	NR	Ponseti management	1-2 years	NR	None	Moderate	Early Ponseti
12 (28)	Iqbal J, 2007	Retrospective	NR	Surgical (Turco PMR)	2005-2009	NR	Turco's posteromedial release	Short (<1 year)	NR	None	Serious	Retrospective

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13 (29)	S, 2007 Hussain AS, 2008	Retrospective	NR	Surgical (Modified Turco PMR)	2005- 2009	NR	Modified Turco's	Short (<1 year)	NR	None	Serious	Retrospective
14 (30)	Humail SM, 2009	Retrospective	NR	Club foot referrals	2005- 2009	Public sector teaching hospital	Pattern of referrals	NR	NR	None	Serious	Retrospective
15 (31)	Ishaque F, 2009	Review	NR	Non-clinical	2005- 2009	Baqai	Talipes equinovarus	N/A	N/A	None	No information	Review
16 (32)	Khan NU, 2010	Case series	NR	Ponseti	2010- 2014	NR	Ponseti experience	1-3 years	NR	None	Moderate	Case series
17 (33)	Sami AL, 2010	Cross- sectional	NR	Conservative	2010- 2014	NR	Causes of failure	NR	NR	None	Moderate	Cross- sectional
18 (34)	Sami AL, 2010	Cross- sectional	NR	Club foot	2010- 2014	NR	Cross sectional study	NR	NR	None	Moderate	Cross- sectional
19 (35)	Maqbool N, 2011	Retrospective	NR	Congenital club foot	2010- 2014	NR	Managem ent	NR	NR	None	Serious	Retrospective

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20 (36)	Arif M, 2011	Comparative	NR	Ponseti vs Turco	2010-2014	NR	Usefulness of Ponseti Clubfoot treatment	1-2 years	NR	None	Serious	Comparative
21 (37)	Makhdoom A, 2011	Observational Descriptive	21 / 27	Ponseti	2010-2014	LUMHS + Isra Univ, Hyderabad		3 months	Mean 12 yr (8-20 yr)	None	Moderate	Observational
22 (38)	Jalil SA, 2011	Retrospective	13 / 22	Surgical (revision)	2010-2014	JPMC + Abbasi Shaheed Hosp, Karachi	Results of revision	Short (<1 year)	Mean 3 yr (6 mo-10 yr)	None	Serious	Retrospective
23 (39)	Khan F, 2011	Prospective	NR	Ponseti	2010-2014	NR	Usefulness of Ponseti	1-2 years	NR	None	Moderate	Prospective
24 (40)	Shai kh SI, 2011	Prospective	NR	Surgical (minimally invasive)	2010-2014	NR	Minimally invasive window	NR	NR	None	Moderate	Prospective
25 (41)	Makhdoom A, 2012	Retrospective	NR	Resistant deformities (Ilizarov)	2010-2014	NR	Ilizarov distraction	NR	NR	None	Serious	Retrospective
26 (42)	Inam M, 2012	Comparative	NR	Ponseti vs Turco	2010-2014	NR	Comparison of Ponseti	1-3 years	NR	None	Serious	Comparative
27 (43)	Khan	Prospective	NR	Surgical	2010-2014	NR	Congenital talipes	NR	NR	None	Moderate	Prospective

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28 (44)	MI, 2012 Sam o S, 2012	Retrospe ctive	NR	Surgical	2010- 2014	PMC Hosp, Nawabsh ah	Surgical managem ent	NR	NR	None	Serious	Retrospective
29 (45)	Zia MI, 2013	Prospecti ve	NR	Ponseti	2010- 2014	NR	Efficacy of Ponseti	1-2 years	NR	None	Moderate	Prospective
30 (46)	Qure shi AR, 2013	Prospecti ve	NR	Ponseti (toddlers)	2010- 2014	NR	Ponseti in toddlers	1-2 years	NR	None	Moderate	Prospective
31 (4)	Burf at A, 2013	Qualitati ve	NR	Non-clinical	2010- 2014	Karachi	Knowledg e and perception s	N/A	N/A	Perceptions, cultural barriers	Moderate	Qualitative exploration
32 (47)	Soo mro ZA, 2013	Descripti ve	NR	Ponseti	2010- 2014	GMMM C, Sukkur	Ponseti at GMMMC	NR	NR	None	Moderate	Descriptive
33 (48)	Irfan I, 2013	Non- clinical	NR	Non-clinical	2010- 2014	NR	Prenatal diagnosis	N/A	N/A	None	No informa tion	Non-clinical
34 (49)	Shafi MK, 2013	Descripti ve	20 / 22	Surgical (Cincinnati)	2010- 2014	Nishtar Hosp, Multan	Extensile release	9 months	6-9 mo	None	Serious	Descriptive
35 (50)	Khan HD, 2013	Descripti ve	46	Surgical (PMR)	2010- 2014	Bacha Khan Med	Outcome of late presented	Short (<1 year)	1-3 yr	None	Serious	Descriptive

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36 (51)	Khan AU, 2013	Observational Retrospective	NR	Surgical (Turco PMR)	2010-2014	Coll, Mardan NR	Evaluation of Turco's Role of residents	Short (<1 year)	NR	None	Serious	Retrospective
37 (52)	Bhatti A, 2014	Prospective Comparative	172 / 281	Ponseti (resident vs consultant)	2010-2014	JPMC, Karachi		Short (<1 year)	Mean 25.8 wk	Training barriers	Serious	Comparative
38 (8)	Memon I, 2014	Cross-sectional	NR	Non-clinical	2010-2014	NR	Brace maintenance difficulties	N/A	N/A	Compliance, brace barriers	Moderate	Locks and keys solutions
39 (53)	Jillani SA, 2014	Comparative	NR	Pirani score	2010-2014	NR	Orthopedic vs allied health	NR	NR	None	Moderate	Comparative
40 (54)	Ahmed SK, 2014	Cross-sectional	NR	Non-clinical	2010-2014	NR	Perception about braces	N/A	N/A	Compliance	No information	Non-clinical
41 (6)	Hussain H, 2014	Economic evaluation	NR	Cost-effectiveness (Ponseti)	2010-2014	Pakistan	Cost-effectiveness	NR	NR	Cost barriers	Low	Cost-effectiveness analysis
42 (55)	Ullah S, 2014	Retrospective	NR	Accelerated Ponseti	2010-2014	NR	Accelerated Ponseti	NR	NR	None	Serious	Retrospective

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43 (56)	Gilani SF, 2014	Comparative	NR	Accelerated vs standard Ponseti	2010-2014	NR	Comparison	NR	NR	None	Moderate	Comparative
44 (57)	Shah SNH, 2014	Case series	NR	Ponseti	2010-2014	NR	Experience of Ponseti	NR	NR	None	Moderate	Case series
45 (58)	Khan MI, 2014	Predictive	NR	Ponseti (Pirani)	2010-2014	NR	Predictive value of Pirani	NR	NR	None	Moderate	Predictive
46 (59)	Dar UZ, 2014	Interventional	35 / 45	Surgical (three techniques)	2010-2014	KEMC, Lahore	Effectiveness of techniques	Short (<1 year)	Mean 2.8 yr	None	Serious	Interventional
47 (60)	Shah SD, 2015	Retrospective	NR	Ponseti (tenotomy)	2015-2019	NR	Incidence of tenotomy	NR	NR	None	Serious	Retrospective
48 (9)	Bhatti A, 2015	Observational	NR	Non-clinical	2015-2019	NR	Consanguinity, ethnicity, addiction	N/A	N/A	Consanguinity, addiction	Moderate	Risk factor study
49 (61)	Iqbal MZ, 2015	Outcome	NR	Ponseti	2015-2019	NR	Short-term outcome	NR	NR	None	Moderate	Short-term outcome
50 (62)	Aftab A, 2015	Prospective	NR	Ponseti	2015-2019	Pakistan Institute of Prosthetic &	Early results	NR	NR	None	Moderate	Prospective

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51 (63)	Ihsan ullah MI, 2016	Frequency	NR	Non-clinical	2015-2019	Orthotic Sciences NR	Frequency of DDH in CTEV	N/A	N/A	None	No information	Non-clinical
52 (64)	Kashif S, 2016	Comparative	NR	Suture technique	2015-2019	NR	Wound healing	NR	NR	None	Moderate	Comparative
53 (65)	Rehman HU, 2016	Prospective	NR	Ponseti	2015-2019	PAF Hospital	Effectiveness & factors	1-3 years	NR	Outcome factors	Moderate	Prospective
54 (66)	Khan SM, 2016	Case series	NR	Ponseti	2015-2019	Secondary hospitals	Role of secondary hospitals	NR	NR	None	Moderate	Case series
55 (67)	Khan AS, 2016	Outcome	NR	Surgical (Turco PMR)	2015-2019	NR	Mid-term results	NR	NR	None	Serious	Outcome
56 (68)	Tassadaq N, 2016	Cross-sectional	NR	Non-clinical	2015-2019	NR	Anxiety level of caregivers	N/A	N/A	Psychosocial	No information	Non-clinical
57 (69)	Khan AS, 2017	Mid-term	NR	Ponseti	2015-2019	Khyber Teaching Hospital	Mid-term results	NR	NR	None	Moderate	Mid-term



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58 (70)	Hayat U, 2017	Outcome	NR	Ponseti (neglected)	2015- 2019	NR	Outcome of neglected	NR	Up to 5 yr	None	Moderate	Outcome
59 (71)	Rashid A, 2017	Cross-sectional	NR	Non-clinical	2015- 2019	NR	Causes of non-compliance	N/A	N/A	Compliance barriers	No information	Non-clinical
60 (72)	Shah MQ, 2017	Case series	NR	Ponseti	2015- 2019	Ayub Med Coll	Ponseti management	1-3 years	NR	None	Moderate	Case series
61 (73)	Khan MA, 2017	Significance	NR	Ponseti (Pirani)	2015- 2019	NR	Significance of Pirani at bracing	NR	NR	None	Moderate	Significance
62 (74)	Shah SA, 2017	Outcome	NR	Ponseti	2015- 2019	NR	Ponseti treated cases	NR	NR	None	Moderate	Outcome
63 (75)	Akram MJ, 2018	Trends	NR	Non-clinical	2015- 2019	NR	Smoking trends in parents	N/A	N/A	Smoking	No information	Non-clinical
64 (76)	Ullah U, 2018	Case report	1	Ponseti (neglected)	2015- 2019	NR	Bilateral neglected clubfoot	NR	7 yr	None	Serious	Case report
65 (77)	Salim M, 2018	Experience	NR	Ponseti	2015- 2019	NR	Management experience	NR	NR	None	Moderate	Experience

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66 (78)	Hakeem A, 2018	Outcome	NR	Ilizarov (neglected)	2015-2019	NR	Functional outcome	NR	NR	None	Serious	Outcome
67 (79)	Rashed N, 2018	Observational	NR	Ponseti (relapses)	2015-2019	NR	Pattern and causes of relapses	1-4 years	NR	Relapse causes	Serious	Observational
68 (80)	Ali A, 2018	Experience	NR	Ponseti	2015-2019	NR	Early experience	NR	<1 yr	None	Moderate	Experience
69 (81)	Habib MK, 2019	Evaluation	NR	Ponseti (Dimeglio)	2015-2019	NR	Correction using Dimeglio	NR	<2 yr	None	Moderate	Evaluation
70 (82)	Khan J, 2018	Role study	NR	Ponseti	2015-2019	NR	Role of Ponsette manoeuvre	NR	NR	None	Moderate	Role
71 (83)	Kashif S, 2019	Cross-sectional	NR	Non-clinical	2015-2019	NR	Causes of neglected clubfeet	N/A	N/A	Barriers	No information	Non-clinical
72 (84)	Ahmed J, 2019	Comparative	NR	Classical vs accelerated Ponseti	2015-2019	NR	Outcome comparison	1-2 years	NR	None	Moderate	Comparative
73 (85)	Jamil M, 2019	Outcome	NR	Ponseti (neglected)	2015-2019	Liaquat Univ	Ponseti in 3-11 yr	NR	3-11 yr	None	Moderate	Outcome

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74 (86)	Sahit o B, 2019	Experien ce	NR	Ponseti	2015- 2019	NR	Experien ce at district level	NR	NR	None	Moderate	Experience
75 (87)	Shah MN, 2019	Experien ce	NR	Ponseti	2015- 2019	DHQ Timergar a	Our experien ce	1-3 years	NR	District barriers	Moderate	Experience
76 (88)	Hann an A, 2019	Evaluatio n	NR	Surgical (single stage PMR)	2015- 2019	NR	Single stage PMR	NR	NR	None	Serious	Evaluation
77 (89)	Huss ain M, 2019	Proposed criteria	NR	Surgical (resistant/rel apsed)	2015- 2019	NR	Clinical criteria	NR	NR	None	Serious	Proposed criteria
78 (90)	Satta r A, 2019	Efficacy	NR	Ponseti (needle tenotomy)	2015- 2019	NR	Efficacy of needle tenotomy	NR	NR	None	Moderate	Efficacy
79 (91)	Maji d Z, 2019	Case report	1	Ponseti	2015- 2019	NR	Osteomye litis complicati on	NR	NR	Complicatio ns	Serious	Case report (meningomye locele)
80 (92)	Shah id AL, 2019	Procedur e	NR	Ponseti (Achilles tenotomy)	2015- 2019	NR	Achilles tenotomy	NR	NR	None	Moderate	Procedure
81 (93)	Reh man	Non- clinical	NR	Non-clinical	2020- 2025	Swabi	Incidence	N/A	NR	None	Moderate	Non-clinical

82 (94)	Z, 2021 Muz zam mil M, 2021	Systemat ic review	NR	Ponseti	2020- 2025	NR	Malnutriti on impact	N/A	NR	Malnutritio n	Moderate	Systematic review
83 (95)	Ali P, 2020	Frequenc y	NR	Non-clinical	2020- 2025	NR	Psychosoc ial impact on parents	N/A	NR	Compliance , psychosocia l	Serious	Frequency
84 (96)	Ali P, 2020	Frequenc y	NR	Ponseti	2020- 2025	NR	Satisfacto ry outcome	NR	NR	None	Moderate	Frequency
85 (97)	Alam F, 2021	Comparative	NR	Accelerated Ponseti	2020- 2025	NR	Comparis on	NR	NR	None	Low	Comparative
86	Murt aza K, 2020	Review	NR	Non-clinical	2020- 2025	Pakistan	Managem ent trends in Pakistan	N/A	N/A	Trends, barriers	Moderate	Literature review
87 (98)	Khan YN, 2020	Genetic	NR	Non-clinical	2020- 2025	NR	Mutation screening	N/A	NR	Genetic	Moderate	Genetic study
88 (99)	Mah moo d T, 2022	Outcome	NR	Ponseti	2020- 2025	Nishtar Medical, Multan	Outcome of Ponseti	NR	NR	None	Serious	Outcome

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89 (100)	Mahmood T, 2022	Case report	1	Surgical (neglected)	2020-2025	NR	Neglected clubfoot	NR	Adolescent	None	Critical	Case report
90 (3)	Ahmed S, 2022	Retrospective	988 / 1,458	Ponseti	2020-2025	Pakistan clubfoot program	8-year review & outcomes	Variable	0-5 yr	Program outcomes	Moderate	Large program review
91 (101)	Arsh A, 2024	Retrospective	NR	Ponseti (relapse)	2020-2025	Peshawar	Relapse prevalence & factors	NR	NR	Relapse factors	Moderate	Retrospective
92 (102)	Manzoor, 2024	Cross-sectional	NR	Ponseti (dropout)	2020-2025	NR	Dropout factors	NR	NR	Dropout barriers	Serious	Cross-sectional
93 (103)	Rehman S, 2025	Descriptive	NR	Ponseti	2020-2025	Tertiary hospital	Evaluation of outcomes	NR	NR	None	Moderate	Descriptive
94 (104)	Yaqeen A, 2022	Comparative	NR	Ponseti vs traditional	2020-2025	Tertiary	Outcome comparison	NR	Up to 5 yr	None	Moderate	Comparative
95 (105)	Arsalan M, 2022	Evaluation	NR	Neglected clubfoot surgical	2020-2025	Tertiary	Surgical algorithm	NR	NR	None	Serious	Evaluation
96 (106)	Memon	Frequency	NR	Non-clinical	2020-2025	PMC Hospital	Frequency and patterns	NR	NR	None	Moderate	Frequency

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97 (107)	FM, 2023 Ahmad I, 2020	Cross-sectional	NR	Ponseti	2020-2025	Tertiary	Clinical profile & treatment	NR	NR	None	Moderate	Cross-sectional
98 (108)	Anam A, 2024	Observational	NR	Non-clinical	2020-2025	NR	Prevalence & inheritance	NR	NR	None	Moderate	Observational
99 (109)	Ullah U, 2024	Prospective	NR	Ponseti (relapse)	2020-2025	Peshawar	Relapse patterns	NR	NR	None	Moderate	Prospective
100 (110)	Ahmad S, 2022	Management	NR	Ponseti (spina bifida)	2020-2025	Tertiary	Non-idiopathic clubfoot	1-3 years	NR	Spina bifida	Moderate	Non-idiopathic
101 (111)	Shariff S, 2021	Quasi-experimental	NR	Ponseti vs Kite	2020-2025	Tertiary	Effectiveness comparison	1-2 years	NR	None	Serious	Quasi-experimental
102 (112)	Ahmed H, 2025	Effect study	NR	Physiotherapy + Ponseti	2020-2025	Tertiary	Effect on number of casts	1-2 years	NR	None	Moderate	Physiotherapy adjunct
103 (113)	Muhammad BA, 2023	Occurrence	NR	Non-clinical	2020-2025	Chal Foundation, Swabi	Occurrence and pattern	NR	NR	None	Moderate	Rehabilitation center

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104 (114)	Khan MS, 2022	Audit	NR	Ponseti	2020-2025	Rawalpindi Med Coll Tertiary	Two-year audit	1-3 years	NR	Developing country challenges	Moderate	Audit
105 (115)	Mengal MA, 2024	Outcomes	NR	Ponseti (up to 3 yr)	2020-2025	Tertiary	Outcomes	1-4 years	Up to 3 yr	None	Moderate	Age-specific outcomes
106 (116)	Naveed A, 2021	Prevalence	NR	Non-clinical	2020-2025	Tertiary	Leg pain & knee contractures	N/A	NR	Complications	Moderate	Prevalence
107 (117)	Saeed HS, 2022	Treatment	NR	Ponseti (serial casting)	2020-2025	Tertiary	Treatment with serial casting	1-3 years	NR	None	Moderate	Serial casting
108 (118)	Khan A, 2025	Frequency	NR	Ponseti (tenotomy)	2020-2025	Ayub Teaching Hosp, Abbottabad Tertiary	Frequency of tenotomy	1-2 years	NR	None	Moderate	Frequency
109 (119)	Hayat S, 2021	Association	NR	Non-clinical	2020-2025	Tertiary	Denis Browne splint & recurrence	N/A	NR	Recurrence	Moderate	Association
110 (120)	Ali P, 2025	Quasi-experimental	NR	Ponseti	2020-2025	Tertiary	Outcome of Ponseti	1-3 years	NR	None	Moderate	Quasi-experimental
111 (121)	Ahmed US, 2021	Comparative	NR	Ponseti (age groups)	2020-2025	Tertiary	Success in <2 vs 2-5 yr	1-3 years	NR	Age at presentation	Moderate	Age-group comparison

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112 (122)	Saqib SS, 2022	Effectiveness	NR	Ponseti (2-5 yr)	2020-2025	Tertiary	Effectiveness in older children	1-3 years	24-60 mo	None	Moderate	Older age focus
113 (123)	Siddiqui AA, 2024	Reasons	NR	Non-clinical	2020-2025	Tertiary	Reasons for non-compliance	N/A	NR	Compliance barriers	Serious	Bracing non-compliance
114 (124)	Muzammil M, 2025	Systematic review	NR	Ponseti	2020-2025	Various	Nutritional status impact	N/A	NR	Malnutrition	Moderate	Systematic review
115 (125)	Osama M, 2017	Frequency	NR	Non-clinical	2015-2019	Chal Foundation, Swabi	Frequency of foot anomalies	NR	NR	None	Moderate	Epidemiology
116 (126)	Rashid N, 2020	Observational	NR	Ponseti	2020-2025	NR	Midterm results	NR	NR	None	Moderate	Subjective & objective
117 (127)	Imran A, 2024	Effectiveness	NR	Accelerated Ponseti	2020-2025	NR	Effectiveness	NR	NR	None	Moderate	Accelerated technique
118 (128)	Orfi F, 2025	Trends	NR	Non-clinical	2020-2025	Military Hosp, Rawalpindi	Trends of congenital anomalies	NR	NR	None	Moderate	Paediatric trends



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119 (129)	Shahbaz A, 2024	Cross-sectional	NR	Non-clinical	2020-2025	NR	Parental understanding of CTEV	N/A	NR	Education & support	Moderate	Patient education
120 (130)	Nadeem RD	Efficacy	NR	Ponseti	2020-2025	NR	Efficacy	NR	NR	None	Moderate	Management study
121 (131)	Goswami P, 2019	Observational	NR	CTEV	2015-2019	JMMC	Observational study	NR	NR	None	Moderate	Observational
122 (132)	Khan MK, 2013	Outcome	NR	Ponseti	2010-2014	NR	Outcome using Pirani	NR	NR	None	Moderate	Pirani scoring
123 (66)	Khan SM, 2016	Case series	NR	Ponseti	2015-2019	Secondary hospitals	Role of secondary hospitals	NR	NR	None	Moderate	Resolved duplicate
124 (61)	Iqbal MZ, 2015	Outcome	NR	Ponseti	2015-2019	NR	Short-term outcome	NR	NR	None	Moderate	Resolved duplicate
125 (93)	Rehman Z, 2021	Non-clinical	NR	Non-clinical	2020-2025	Swabi	Incidence	N/A	NR	None	Moderate	Resolved duplicate

<b>Era Summary</b>		<b>Design Dominant</b>	<b>Sample Size (Total Approx.)</b>	<b>Intervention Dominant</b>	<b>Mean Age at Presentation (months)</b>	<b>Mean Follow-up Duration</b>	<b>ROBINS-I Dominant Risk</b>	<b>Notes</b>
<b>Publication Era</b>	<b>Number of Studies</b>							
1990-1999	4	Prospective/Retrospective	~350-400 patients	Surgical (PMR/Turco)	13-20	Short (<1 year)	Critical/Serious	Pre-Ponseti era
2000-2004	4	Retrospective	~500 patients	Surgical + early conservative	20-45	Short (<1 year)	Serious	Transition period
2005-2009	7	Case series/Comparative	~800 patients	Early Ponseti + Surgical	16-18	1-2 years	Moderate/Serious	Initial Ponseti adoption
2010-2014	25	Prospective/Comparative	~3,500-4,000 patients	Ponseti dominant	8-12	1-4 years	Moderate	Peak adoption of Ponseti method
2015-2019	22	Prospective/Observational	~4,500 patients	Ponseti exclusive	7-9	1-4 years	Moderate	Program maturity & wider implementation
2020-2025	63	Prospective/Cross-sectional/Comparative	~7,000-8,000 patients	Ponseti exclusive	6-8	1-4 years	Moderate/Low	Post-COVID surge, strong focus on barriers, relapse, compliance, neglected cases & non-idiopathic clubfoot