

Appendix

Table 3: Characteristics of Included Studies Evaluating Pediatric Teledermatology Interventions and Outcomes.

Study	Year	Study Design	Population	Teledermatology Modality	Key Outcomes
Ando et al.	2022	RCT	Infants, caregivers	Teleconsultation (preventive pediatric dermat care)	Reduced skin conditions, reduced maternal stress
Batalla et al.	2016	Observational	Pediatric dermatology patients	Store-and-forward + clinic integration	Improved clinical workflow
Betlloch-Mas et al.	2021	Cohort	Infantile hemangioma	Teledermatology referral pathway	Earlier treatment initiation
Bianciardi Valassina et al.	2016	Case series	Pediatric wound patients	Telemedicine wound care	Feasible wound monitoring
Cheng et al.	2014	Retrospective	Children with nevi	Telederm referral triage	Triggered appropriate referrals
de Graaf et al.	2014	Feasibility study	Infantile hemangioma	eHealth-supported care	High acceptability
Fuenzalida et al.	2025	Cross-sectional	Pediatric telederm users	General teledermatology system	Population variability in access
Giavina Bianchi et al.	2019	Cross-sectional	Pediatric primary care patients	Teledermatology triage	Many lesions manageable remotely
Gironi et al.	2023	Case series	Pediatric acral dermatitis	Telemedicine + literature review	Diagnostic support in COVID-era lesions
Hansen et al.	2023	Observational	Pediatric dermatology population	Telemedicine services	High potential utility
Kittler et al.	2022	Cross-sectional	Infantile hemangioma patients	Telemedicine evaluation	High diagnostic success

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Lascialfari et al.	2022	Retrospective follow-up	Pediatric urticaria patients	Telemedicine follow-up	Feasible disease monitoring
Lasierra et al.	2012	Longitudinal observational	Dermatology patients incl. pediatric	Store-and-forward telederm	Strengths and limitations identified
Lowe et al.	2022	Prospective study	Pediatric dermatology clinic patients	Telephone teledermatology	High satisfaction and usability
Madu et al.	2017	Case report	Pediatric specialty cases	Global teleconsultation	Enabled multispecialty collaboration
McCusker et al.	2023	Survey	Clinicians	Telederm consultations	Perceived usefulness and barriers
Odeshi et al.	2024	Comparative study	Atopic dermatitis patients	Telederm vs in-person follow-up	Comparable outcomes
Oostveen et al.	2014	Prospective comparison	Pediatric psoriasis	Telemedicine-assisted therapy	Effective adjunct therapy
Paradela-de-la-Morena et al.	2015	Diagnostic accuracy study	383 children	Teledermatology diagnosis	High diagnostic reliability
Parajuli et al.	2023	Case series	Cutaneous leishmaniasis	Mobile teledermatology	Enabled remote diagnosis/treatment
Ragamin et al.	2021	Observational	Pediatric atopic dermatitis	Telemedicine during COVID	Continuity of care maintained
Ragamin et al.	2023	Validation study	Pediatric eczema	Remote severity scoring tools	High validity and reliability
Saleh et al.	2017	Cross-sectional	600 dermatology patients incl. children	Store-and-forward telederm	High diagnostic utility
Santer et al.	2022	RCT	Pediatric eczema	Online behavioral intervention	Improved self-care outcomes

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Santer et al.	2014	Pilot RCT	Pediatric eczema families	Web-based self-management	Improved disease management
Saso et al.	2019	Case report	Pediatric ichthyosis	Teledermatology support	Enabled diagnosis in low-resource setting
Taslidere et al.	2023	Diagnostic study	Pediatric skin lesions	Teledermatology diagnosis	Effective diagnostic tool
van Os-Medendorp et al.	2012	RCT	Atopic dermatitis patients	Internet-guided monitoring	Cost-effective self-management
Vashisht et al.	2025	Case series	Pediatric impetigo outbreak	Teledermatology intervention	Controlled outbreak remotely
Ying et al.	2024	Observational	Pediatric eczema	Telemedicine-influenced prescribing	Changed prescribing patterns
Zvulunov et al.	2025	RCT	Pediatric atopic dermatitis	Mobile health app	Improved disease management