Title	Journal	Link	Publication date	References	Top Paper
Overview of Ultrasound Imaging Applications in Dermatology	Journal of Cutaneous Medicine and Surgery	https://doi.org/10.1177/1203475421999326	2021	Nouf, Almuhanna, Ximena, Wortsman, Iris, Wohlmuth-Wieser, Misaki, Kinoshita-Ise, Raed, Alhusayen	Yes
Ultra-High Frequency Ultrasound, A Promising Diagnostic Technique: Review of the Literature and Single-Center Experience	Canadian Association of Radiologists Journal	https://doi.org/10.1177/0846537120940684	2020	Rossana, Izzetti, Saverio, Vitali, Giacomo, Aringhieri, Marco, Nisi, Teresa, Oranges, Valentina, Dini, Francesco, Ferro, Chiara, Baldini, Marco, Romanelli, Davide, Caramella, Mario, Gabriele	Yes
A Preliminary Study for Quantitative Assessment with HFUS (High-Frequency Ultrasound) of Nodular Skin Melanoma Breslow Thickness in Adults Before Surgery: Interdisciplinary Team Experience	Current Radiopharmaceuticals	http://www.eurekaselect.com/175390/article	2020	Alfonso, Reginelli, Maria P., Belfiore, Anna, Russo, Fabrizio, Turriziani, Elvira, Moscarella, Teresa, Troiani, Gabriella, Brancaccio, Andrea, Ronchi, Emilio, Giunta, Antonello, Sica, Francesco, Iovino, Fortunato, Ciardiello, Renato, Franco, Giuseppe, Argenziano, Roberto, Grassi, Salvatore, Cappabianca	Yes
Seventy-MHz Ultrasound Detection of Early Signs Linked to the Severity, Patterns of Keratin Fragmentation, and Mechanisms of Generation of Collections and Tunnels in Hidradenitis Suppurativa	Journal of Ultrasound in Medicine	https://onlinelibrary.wiley.com/doi/abs/10.1002/jum.15164	2020	Ximena, Wortsman, Perla, Calderon, Ariel, Castro	Yes
Performance of ultra-high-frequency ultrasound in the evaluation of skin involvement in systemic sclerosis: a preliminary report	Rheumatology	https://academic.oup.com/rheumatology/advance-article/doi/10.1093/rheumatology/...	2019	Esperanza, Naredo, Javier, Pascau, Nemanja, Damjanov, Gemma, Lepri, Pedro M, Gordaliza, Iustina, Janta, Juan Gabriel, Ovalles-Bonilla, Francisco Javier, López-Longo, Marco, Matucci-Cerinic	Yes
Seeing More to Treat Better: Ultra-High Frequency Ultrasound as a Decision-Shaping Tool in Radiotherapy for Head and Neck Non-Melanoma Skin Cancer in a Single-Institution Feasibility Study	Cancers	https://www.mdpi.com/2072-6694/18/7/1083	2026	Emma, D'Ippolito, Anna, Russo, Luca, Marinelli, Vittorio, Patanè, Federico, Gagliardi, Vittorio Salvatore, Menditti, Angelo, Sangiovanni, Nicola Maria, Tarantino, Valerio, Nardone, Alfonso, Reginelli	No
Ultra-High-Frequency Ultrasound of Melanoma Excision Scars for Detection of Clinically Occult Local Recurrence: A Single-Center Retrospective Study	Clinical, Cosmetic and Investigational Dermatology	https://doi.org/10.2147/CCID.S580359	2026	Anna, Russo, Vittorio, Patanè, Lucrezia, Bucciero, Mario, Brunese, Teresa, Troiani, Giuseppe, Argenziano, Renato, Franco, Alfonso, Reginelli	No
High- and Ultra-High-Frequency Ultrasound Identifies a Subclinical Link Between Suppurative Comedonal Nevus and Hidradenitis Suppurativa	Journal of Ultrasound in Medicine	https://doi.org/10.1002/jum.70270	2026	Marta, Ivars, Katia, Henostroza, Fabià, Torres-Betato, Eva, Vilarrasa, Ximena, Wortsman	No

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Ultrasound Patterns of Vitiligo at High Frequency and Ultra-High Frequency	Journal of Ultrasound in Medicine	https://doi.org/10.1002/jum.16481	2024	Ximena, Wortsman, Irene, Araya, Maximiliano, Maass, Pilar, Valdes, Viviana, Zemelman	No
Ultrasonography of Facial and Submandibular Hidradenitis Suppurativa and Concomitance With Acne Vulgaris	Journal of Ultrasound in Medicine	https://doi.org/10.1002/jum.16526	2024	Ximena, Wortsman, Gabriela, Ortiz-Orellana, Yessenia, Valderrama, Camila, Ferreira-Wortsman, Francisco, Reyes, Maria Isabel, Herane	No
All for one: Collaboration between dermatologist, radiation oncologist and radiologist in the clinical management of “difficult to treat” non melanoma skin cancer	Clinical and Translational Radiation Oncology	https://doi.org/10.1016/j.ctro.2024.100774	2024	Federico, Gagliardi, Anna, Russo, Camila, Scharf, Alessandro, Pinto, Mario, Faenza, Emma, D'Ippolito, Giuseppe, Argenziano, Teresa, Troiani, Alfonso, Reginelli, Valerio, Nardone	No
ACTA DERMATOVENEROLOGICA CROATICA ACTA DERMATOVENEROLOGICA CROATICA Ultra-high-frequency Ultrasound in the Objective Assessment of Chlormethine Gel Efficacy: A Case Report				Agata, Janowska, Cristian, Fidanzi, Marco, Romanelli, Alessandra, Michelucci, Matteo, Bevilacqua, Valentina, Dini	No
Review of Non-Invasive Imaging Technologies for Cutaneous Melanoma	Biosensors	https://doi.org/10.3390/bios15050297	2025	Luke, Horton, Joseph W., Fakhoury, Rayyan, Manwar, Ali, Rajabi-Estarabadi, Dilara, Turk, Sean, O’Leary, Audrey, Fotouhi, Steven, Daveluy, Manu, Jain, Keyvan, Nouri, Darius, Mehregan, Kamran, Avanaki	No
Noninvasive imaging exploration of phacomatosis pigmentokeratotica using high-frequency ultrasound and optical coherence tomography: Can biopsy of PPK patients be avoided?	Skin Research and Technology	https://onlinelibrary.wiley.com/doi/10.1111/srt.13279	2023	Jenna, Lee, Juliana, Benavides, Rayyan, Manwar, Carolina, Puyana, Julia, May, Maria, Tsoukas, Kamran, Avanaki	No
UVA-1 phototherapy as adjuvant treatment for eosinophilic fasciitis: in vitro and in vivo functional characterization	International Journal of Dermatology	https://doi.org/10.1111/ijd.16003	2022	Linda, Tognetti, Camilla, Marrocco, Andrea, Carraro, Edoardo, Conticini, Cyril, Habougit, Giancarlo, Mariotti, Elisa, Cinotti, Jean Luc, Perrot, Pietro, Rubegni	No
Use of Ultra-high-frequency Ultrasound for Aplasia Cutis Congenita of the Scalp	Plastic and Reconstructive Surgery - Global Open	https://doi.org/10.1097/gox.0000000000003876	2021	Ryo, Karakawa, Tomoyuki, Yano, Hidehiko, Yoshimatsu, Mayu, Koto, Atsushi, Nakao, Shunsuke, Ichi	No
Ultrasound-guided injection of intralesional steroids in acute hidradenitis suppurativa lesions: A prospective study	Dermatologic Therapy	https://doi.org/10.1111/dth.15068	2021	Michela, Iannone, Agata, Janowska, Teresa, Oranges, Lorenzo, Balderi, Bianca Benedetta, Benincasa, Saverio, Vitali, Giulia, Tonini, Riccardo, Morganti, Marco, Romanelli, Valentina, Dini	No

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Usefulness of High-Frequency Ultrasonography in the Diagnosis of Melanoma: Mini Review	Frontiers in Oncology	https://doi.org/10.3389/fonc.2021.673026	2021	Maria Paola, Belfiore, Alfonso, Reginelli, Anna, Russo, Gaetano Maria, Russo, Maria Paola, Rocco, Elvira, Moscarella, Marilina, Ferrante, Antonello, Sica, Roberto, Grassi, Salvatore, Cappabianca	No
Photoacoustic imaging for the monitoring of local changes in oxygen saturation following an adrenaline injection in human forearm skin	Biomedical Optics Express	https://doi.org/10.1364/boe.423876	2021	Josefine, Bunke, Aboma, Merdasa, Rafi, Sheikh, John, Albinsson, Tobias, Erlöv, Bodil, Gesslein, Magnus, Cinthio, Nina, Reistad, Malin, Malmsjö	No
Comparison of photoacoustic imaging and histopathological examination in determining the dimensions of 52 human melanomas and nevi ex vivo	Biomedical Optics Express	https://opg.optica.org/abstract.cfm?URI=boe-12-7-4097	2021	Jenny, Hult, Aboma, Merdasa, Agnes, Pekar-Lukacs, Magne, Tordengren Stridh, Azin, Khodaverdi, John, Albinsson, Bodil, Gesslein, Ulf, Dahlstrand, Linn, Engqvist, Yousef, Hamid, Douglas, Larsson Albèr, Bertil, Persson, Tobias, Erlöv, Rafi, Sheikh, Magnus, Cinthio, Malin, Malmsjö	No
Ultra high-frequency ultrasound with seventy-MHz transducer in hair disorders: Development of a novel noninvasive diagnostic methodology	Journal of Dermatological Science	https://doi.org/10.1016/j.jdermsci.2021.04.008	2021	Misaki, Kinoshita-Ise, Manabu, Ohyama, Joel M., Ramjist, F. Stuart, Foster, Victor X.D., Yang, Muskaan, Sachdeva, Shachar, Sade, Neil H., Shear	No
HIGH FREQUENCY ULTRASONOGRAPHY: RELIABLE TOOL TO MEASURE SKIN FIBROSIS IN SSC? A systematic literature review and additional pilot study	Rheumatology	https://academic.oup.com/rheumatology/advance-article/doi/10.1093/rheumatology/...	2021	Amber, Vanhaecke, Maurizio, Cutolo, Lise, Heeman, Veronica, Vilela, Ellen, Deschepper, Karin, Melsens, Vanessa, Smith	No
Ultra-high-frequency ultrasound and machine learning approaches for the differential diagnosis of melanocytic lesions	Experimental Dermatology	https://doi.org/10.1111/exd.14330	2021	Francesco, Faita, Teresa, Oranges, Nicole, Di Lascio, Francesco, Ciompi, Saverio, Vitali, Giacomo, Aringhieri, Agata, Janowska, Marco, Romanelli, Valentina, Dini	No
Ultra-high-frequency ultrasound monitoring of plaque psoriasis during ixekizumab treatment	Skin Research and Technology	https://doi.org/10.1111/srt.12942	2021	Valentina, Dini, Agata, Janowska, Francesco, Faita, Salvatore, Panduri, Bianca Benedetta, Benincasa, Rossana, Izzetti, Marco, Romanelli, Teresa, Oranges	No
Ultra-high frequency ultrasonography (UHFUS)-guided minor salivary gland biopsy: A promising procedure to optimize labial salivary gland biopsy in Sjögren's syndrome	Journal of Oral Pathology & Medicine	https://onlinelibrary.wiley.com/doi/10.1111/jop.13162	2021	Rossana, Izzetti, Francesco, Ferro, Saverio, Vitali, Marco, Nisi, Silvia, Fonzetti, Teresa, Oranges, Valentina, Donati, Davide, Caramella, Chiara, Baldini, Mario, Gabriele	No

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Photoacoustic and high-frequency ultrasound imaging of systemic sclerosis patients	Arthritis Research and Therapy	https://doi.org/10.1186/s13075-020-02400-y	2021	Khalid, Daoudi, Brigit E., Kersten, Cornelia H.M., van den Ende, Frank H.J., van den Hoogen, Madelon C., Vonk, Chris L., de Korte	No
Ultra-High Frequency Ultrasound (Uhfus) Applications in Sjogren Syndrome: Narrative Review and Current Concepts	Gland Surgery	https://doi.org/10.21037/GS-20-529	2020	Giacomo A., Aringhieri, Rossana, Izzetti, Saverio, Vitali, Francesco, Ferro, Mario, Gabriele, Chiara, Baldini, Davide, Caramella	No
High-resolution ultrasound imaging of skin involvement in systemic sclerosis: a systematic review	Rheumatology International	http://link.springer.com/10.1007/s00296-020-04761-8	2021	Monika, Dźwigała, Piotr, Sobolewski, Maria, Maślińska, Ida, Yurtsever, Elżbieta, Szymańska, Irena, Walecka	No
Morphologic Features of Cutaneous T-Cell Lymphomas Using Dermoscopy and High Frequency Ultrasound	Journal of Clinical Medicine	https://doi.org/10.3390/jcm10010017	2020	Iris, Wohlmuth-Wieser, Joel M., Ramjist, Neil, Shear, Raed, Alhusayen	No
Ultrasound in Sports and Occupational Dermatology	Journal of Ultrasound in Medicine	https://doi.org/10.1002/jum.15550	2020	Ximena, Wortsman, Camila, Ferreira-Wortsman	No
Ultrasound Imaging of Nevus Sebaceous of Jadassohn	Journal of Ultrasound in Medicine	https://onlinelibrary.wiley.com/doi/abs/10.1002/jum.15405	2020	Ximena, Wortsman, Camila, Ferreira-Wortsman, Yamile, Corredoira	No
Dermatology Practical & Conceptual Delayed Tattoo Reaction From Red Dye With Overlapping Clinicopathological Features : Examination With High-Frequency Ultrasound and Line-Field Optical Coherence Tomography	Dermatology Practical & Conceptual		2020	Linda, Tognetti, Sean, Ekinde, Cyril, Habougit, Elisa, Cinotti, Pietro, Rubegni, Jean Luc, Perrot	No
Skin thickness measurements for optimal intradermal injections in children	Vaccine	https://doi.org/10.1016/j.vaccine.2019.11.002	2020	T.J.S., Van Mulder, D., Van Nuffel, M., Demolder, G., De Meyer, S., Moens, K.C.L., Beyers, V.V.J., Vankerckhoven, P., Van Damme, H., Theeten	No
Advanced evaluation of hidradenitis suppurativa with ultra-high frequency ultrasound: A promising tool for the diagnosis and monitoring of disease progression	Skin Research and Technology	https://onlinelibrary.wiley.com/doi/abs/10.1111/srt.12823	2019	Teresa, Oranges, Saverio, Vitali, Bianca, Benincasa, Rossana, Izzetti, Riccardo, Lencioni, Davide, Caramella, Marco, Romanelli, Valentina, Dini	No
Preliminary experience of the use of high-resolution skin ultrasound for the evaluation of extrathyroideal manifestations of Graves' disease and response to UVA-1 phototherapy	Photodermatology, Photoimmunology & Photomedicine	http://doi.wiley.com/10.1111/phpp.12442	2018	Linda, Tognetti, Elisa, Cinotti, Jean-Luc, Perrot, Giovanni, Neri, Elisa, Pianigiani, Michele, Fimiani, Pietro, Rubegni	No
Ultrasound Characteristics of the Hair Follicles and Tracts, Sebaceous Glands, Montgomery Glands, Apocrine Glands, and Arrector Pili Muscles	Journal of Ultrasound in Medicine	http://doi.wiley.com/10.1002/jum.14888	2018	Ximena, Wortsman, Laura, Carreño, Camila, Ferreira-Wortsman, Rafael, Poniachik, Kharla, Pizarro, Claudia, Morales, Perla, Calderon, Ariel, Castro	No
In vivo estimation of the Young's modulus in normal human dermis	2018 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)	https://ieeexplore.ieee.org/document/8512935/	2018	Ana Cecilia, Saavedra, Junior, Arroyo, Fernando, Zvietcovich, Roberto J., Lavarello, Benjamin, Castaneda	No

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High frequency ultrasound: a novel instrument to quantify granuloma burden in cutaneous sarcoidosis.	Sarcoidosis, vasculitis, and diffuse lung diseases : official journal of WASOG	http://www.ncbi.nlm.nih.gov/pubmed/25755918	2017	Megan H, Noe, Olaf, Rodriguez, Laura, Taylor, Laith, Sultan, Chandra, Sehgal, Susan, Schultz, Joel M, Gelfand, Marc A, Judson, Misha, Rosenbach	No
New findings in non-invasive imaging of cutaneous endometriosis: Dermoscopy, high-frequency ultrasound and reflectance confocal microscopy	Skin Research and Technology	https://doi.org/10.1111/srt.12431	2018	L., Tognetti, E., Cinotti, G., Tonini, C., Habougit, F., Cambazard, P., Rubegni, J. L., Perrot	No
Photoacoustic imaging of real-time oxygen changes in chronic leg ulcers after topical application of a haemoglobin spray: a pilot study	Journal of Wound Care	http://www.magonlinelibrary.com/doi/10.12968/jowc.2016.25.2.87	2016	M, Petri, I, Stoffels, J, Jose, J, Leyh, A, Schulz, J, Dissemond, D, Schadendorf, J, Klode	No