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Head Scleroderma Programme,
NIHR Leeds Biomedical Research Centre
Associate Professor and Honorary Consultant
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Academic Qualifications:
2003-2007, PhD , Early events in the pathogenesis of Systemic Sclerosis
Thomas Jefferson University, Philadelphia, USA /
Second University of Naples, Italy
2000-2003, Clinical Specialty Training in Immunology
Second University of Naples, Italy
1993-1999, Medical Doctor Degree, Second University of Naples, Italy

Present and previous positions held

Start Date	End Date	Job Title	Employer
02/04/2014	-	Head, Scleroderma Programme	NIHR Biomedical Research Centre, UK
02/04/2014	-	Associate Professor/Honorary Consultant	University of Leeds, UK
01/08/2009	01/04/2014	Senior Clinical Lecturer / Senior Translational Research Fellow	University of Leeds, UK
01/07/2007	01/08/2009	Research Assistant Professor	Jefferson Medical College, USA
01/10/2004	01/07/2007	Post Doctoral Fellow	Thomas Jefferson University, USA

Professional contributions:

2010 - Editorial board member for the journal "American Journal of Pathology"
2013 - EUSTAR Scientific Board Member
2012- World Scleroderma Foundation – Scientific Advisory board member
2014- Scleroderma Clinical Trials Consortium - Centre Lead
2016- Editorial board Member for “Journal of Scleroderma and Related disorders”
2018- European Journal of Rheumatology, Associate Editor
2017- Clinical and Academic lead for IT, Leeds NIHR Biomedical Research Centre
2018- National Theme Lead for NIHR Musculoskeletal Health Informatic cooperative
2019- EUSTAR Counsellor

Clinical Trial Activity

Chief Investigator: Stratification for Risk of Progression in Scleroderma (STRIKE SSC). NIHR/ Kennedy Trust for Rheumatology Research – 2014/2021
Current Site Principal Investigator: GSK –NCT03041025; CORBUS Pharmaceuticals: NCT03398837

Consultancy, advisory boards, fees and research support

Abbvie, Actelion, Capella Bioscience, GLG, GSK, Boehringer-Ingelheim, Gilead, AstraZeneca, Chemomab, Kymab

Research Grant Support past 5 years:

Title	Funder	Role	Research Start	Research End	Award Evalue in GBP (to FDG)
Translational Program Foundation grant: Towards Prevention of Scleroderma	Kennedy Trust for Rheumatology Research	PI	02/01/2018	31/09/2021	775,305
Implement patient stratification in Scleroderma with a combined index of disease activity	National Inst for Health Research (NIHR)	PI	01/10/2014	30/06/2020	941,876.19

Translational Skin Science Facility	S Cheney research fund	PI	01/11/2018	31/10/2021	199,985
anti pDC antibodies to prevent interferon drive in SSc	Capella Bioscience Ltd	PI	01/04/2016	31/12/2020	250,434.84
NIHR LMBRC- Scleroderma Workstream	NIHR	COI	01/04/2017	31/03/2022	435,000
Hyfacoll for Digital Ulcers in Systemic Sclerosis	TSB	COI	23/10/2017	30/09/2019	21,700
OX40L in the pathogenesis of SSc	Kymab	COI	01/01/2019	31/08/2020	106,000
Preclinical evidence of CCL24 involvement in SSc progression	Chemomab	PI	01/03/2019	31/12/2021	80,000
Translational Scleroderma Fellowship	S Cheney Research Fund	PI	01/09/2017	31/08/2021	160,000
MRC Confidence in Concept	UoL	Co-I	01/09/2018	30/09/2019	23,000
Pathological changes in Pre-Scleroderma	SRUK	PI	01/09/2018	31/12/2019	27000
SHED SSC	NIHR	CO-I	01/09/2019	31/08/2022	80,000
AIMTEC VB	Versus Arthritis	PI	01/09/2019	31/10/2021	97,000
Linear CRISS outcome measure	WSF/SRUK	PI	01/04/2020	31/12/2020	48,650
Scleroderma Cutaneous Index, transdermal device - SCIDEX	EPSRC-SRUK	Co-I	01/09/2020	31/12/2023	119,998
P2-linked reverse translational MOA for MT-7117	Mitsubishi-Tanabe	PI	01/09/2020	31/08/2022	232,500

Publications : (h-index = 27, >2100 citations)

- 1: Di Luigi L, Sgrò P, Duranti G, Sabatini S, Caporossi D, Del Galdo F, Dimauro I, Antinozzi C. Sildenafil Reduces Expression and Release of IL-6 and IL-8 Induced by Reactive Oxygen Species in Systemic Sclerosis Fibroblasts. *Int J Mol Sci.* 2020 Apr 30;21(9):E3161. doi: 10.3390/ijms21093161. PMID: 32365773.
- 2: Gayle A, Schoof N, Alves M, Clarke D, Raabe C, Das P, Del Galdo F, Maher TM. Healthcare Resource Utilization Among Patients in England with Systemic Sclerosis-Associated Interstitial Lung Disease: A Retrospective Database Analysis. *Adv Ther.* 2020 May;37(5):2460-2476. doi: 10.1007/s12325-020-01330-0. Epub 2020 Apr 21. PMID: 32319038.
- 3: Wasson CW, Abignano G, Hermes H, Malaab M, Ross RL, Jimenez SA, Chang HY, Feghali-Bostwick CA, Del Galdo F. Long non-coding RNA HOTAIR drives EZH2-dependent myofibroblast activation in systemic sclerosis through miRNA 34a-dependent activation of NOTCH. *Ann Rheum Dis.* 2020 Apr;79(4):507-517. doi: 10.1136/annrheumdis-2019-216542. Epub 2020 Feb 10. PMID: 32041748; PMCID: PMC7147169.
- 4: Mihai C, Distler O, Gheorghiu AM, Constantin PI, Dobrota R, Jordan S, Smith V, Hachulla E, Henes J, Siegert E, Vettori S, Müller-Ladner U, Matucci Cerinic M, Allanore Y; EUSTAR. Incidence and risk factors for gangrene in patients with systemic sclerosis from the EUSTAR cohort. *Rheumatology (Oxford).* 2019 Dec 2:kez558. doi: 10.1093/rheumatology/kez558. Epub ahead of print. PMID: 31790136.
- 5: Jaeger VK, Tikly M, Xu D, Siegert E, Hachulla E, Airò P, Valentini G, Matucci Cerinic M, Distler O, Cozzi F, Carreira P, Allanore Y, Müller-Ladner U, Ananieva LP, Balbir-Gurman A, Distler JHW, Czirják L, Li M, Henes J, Jimenez SA, Smith V, Damjanov N, Denton CP, DelGaldo F, Sackett LA, Walker UA; EUSTAR co-authors. Racial differences in systemic sclerosis disease presentation: a European Scleroderma Trials and Research group study. *Rheumatology (Oxford).* 2019 Nov 4:kez486. doi: 10.1093/rheumatology/kez486. Epub ahead of print. PMID: 31680161.
- 6: Valentini G, Huscher D, Riccardi A, Fasano S, Irace R, Messiniti V, Matucci-Cerinic M, Guiducci S, Distler O, Maurer B, Avouac J, Tamer IH, Frerix M, Riemekasten G, Siegert E, Czirják L, Lóránd V, Denton CP, Nihtyanova S, Walker UA, Jaeger VK, Del Galdo F, Abignano G, Ananieva LP, Gherghe AM, Mihai C, Henes JC, Schmeiser T, Vacca A, Moiseev S, Foeldvari I, Gabrielli A, Krummel-Lorenz B, Rednic S, Allanore Y, Müller-Ladner U. Vasodilators and low-dose acetylsalicylic acid are associated with a lower incidence of distinct primary myocardial disease manifestations in systemic sclerosis: results of the DeSSciper inception cohort study. *Ann Rheum Dis.* 2019 Nov;78(11):1576-1582. doi: 10.1136/annrheumdis-2019-215486. Epub 2019 Aug 7. PMID: 31391176.
- 7: Di Benedetto P, Ruscitti P, Liakouli V, Del Galdo F, Giacomelli R, Cipriani P. Linking myofibroblast generation and microvascular alteration: The role of CD248 from pathogenesis to therapeutic target (Review). *Mol Med Rep.* 2019 Aug;20(2):1488-1498. doi: 10.3892/mmr.2019.10429. Epub 2019 Jun 26. PMID: 31257535.

- 8: Walden M, Tian L, Ross RL, Sykora UM, Byrne DP, Hesketh EL, Masandi SK, Cassel J, George R, Ault JR, El Oualid F, Pawlowski K, Salvino JM, Eyers PA, Ranson NA, Del Galdo F, Greenberg RA, Zeqiraj E. Metabolic control of BRISC-SHMT2 assembly regulates immune signalling. *Nature*. 2019 Jun;570(7760):194-199. doi: 10.1038/s41586-019-1232-1. Epub 2019 May 29. PMID: 31142841; PMCID: PMC6914362.
- 9: Blagojevic J, Abignano G, Avouac J, Cometi L, Frerix M, Bellando-Randone S, Guiducci S, Bruni C, Huscher D, Jaeger VK, Lóránd V, Maurer B, Nihtyanova S, Riemekasten G, Siegert E, Tarner IH, Vettori S, Walker UA, Cziráj L, Denton CP, Distler O, Allanore Y, Müller-Ladner U, Moggi-Pignone A, Matucci-Cerinic M, Del Galdo F; EUSTAR co-workers. Use of vasoactive/vasodilating drugs for systemic sclerosis (SSc)-related digital ulcers (DUs) in expert tertiary centres: results from the analysis of the observational real-life DeSSciphper study. *Clin Rheumatol*. 2020 Jan;39(1):27-36. doi: 10.1007/s10067-019-04564-8. Epub 2019 May 20. PMID: 31111363.
- 10: Sobanski V, Giovannelli J, Allanore Y, Riemekasten G, Airò P, Vettori S, Cozzi F, Distler O, Matucci-Cerinic M, Denton C, Launay D, Hachulla E; EUSTAR Collaborators. Phenotypes Determined by Cluster Analysis and Their Survival in the Prospective European Scleroderma Trials and Research Cohort of Patients With Systemic Sclerosis. *Arthritis Rheumatol*. 2019 Sep;71(9):1553-1570. doi: 10.1002/art.40906. Epub 2019 Aug 12. PMID: 30969034; PMCID: PMC6771590.
- 11: Liakouli V, Cipriani P, Di Benedetto P, Panzera N, Ruscitti P, Pantano I, Berardicurti O, Carubbi F, Esteves F, Mavria G, Del Galdo F, Giacomelli R. Epidermal Growth Factor Like-domain 7 and miR-126 are abnormally expressed in diffuse Systemic Sclerosis fibroblasts. *Sci Rep*. 2019 Mar 14;9(1):4589. doi:10.1038/s41598-019-39485-8. PMID: 30872612; PMCID: PMC6418261.
- 12: Bissell LA, Dumitru RB, Erhayem B, Abignano G, Fent G, Kidambi A, Donica H, Burska A, Del Galdo F, Biglands J, Buckley DL, Greenwood JP, Plein S, Graham L, Buch MH. Incidental significant arrhythmia in scleroderma associates with cardiac magnetic resonance measure of fibrosis and hs-TnI and NT-proBNP. *Rheumatology (Oxford)*. 2019 Jul 1;58(7):1221-1226. doi:10.1093/rheumatology/key430. PMID: 30690570; PMCID: PMC6587914.
- 13: Blagojevic J, Bellando-Randone S, Abignano G, Avouac J, Cometi L, Cziráj L, Denton CP, Distler O, Frerix M, Guiducci S, Huscher D, Jaeger VK, Lóránd V, Maurer B, Nihtyanova S, Riemekasten G, Siegert E, Tarner IH, Vettori S, Walker UA, Allanore Y, Müller-Ladner U, Del Galdo F, Matucci-Cerinic M; EUSTAR co-workers. Classification, categorization and essential items for digital ulcer evaluation in systemic sclerosis: a DeSSciphper/European Scleroderma Trials and Research group (EUSTAR) survey. *Arthritis Res Ther*. 2019 Jan 24;21(1):35. doi:10.1186/s13075-019-1822-1. PMID: 30678703; PMCID: PMC6346551.
- 14: Kamposioras K, Tsimplouli C, Verbeke C, Anthony A, Daoukopoulou A, Papandreou CN, Sakellaris N, Vassilopoulos G, Potamianos SP, Liakouli V, Migneco G, Del Galdo F, Dimas K. Silencing of caveolin-1 in fibroblasts as opposed to epithelial tumor cells results in increased tumor growth rate and chemoresistance in a human pancreatic cancer model. *Int J Oncol*. 2019 Feb;54(2):537-549. doi: 10.3892/ijo.2018.4640. Epub 2018 Nov 21. PMID: 30483772; PMCID: PMC6317659.
- 15: Abignano G, Laws P, Del Galdo F, Marzo-Ortega H, McGonagle D. Three-dimensional nail imaging by optical coherence tomography: a novel biomarker of response to therapy for nail disease in psoriasis and psoriatic arthritis. *Clin Exp Dermatol*. 2019 Jun;44(4):462-465. doi: 10.1111/ced.13786. Epub 2018 Sep 23. PMID: 30246363.
- 16: Abignano G, Blagojevic J, Bissell LA, Dumitru RB, Eng S, Allanore Y, Avouac J, Bosello S, Denton CP, Distler O, Ferraccioli G, Jordan S, Matucci-Cerinic M, Ong V, Messenger M, Hutchinson M, Buch MH, Emery P, Del Galdo F. European multicentre study validates enhanced liver fibrosis test as biomarker of fibrosis in systemic sclerosis. *Rheumatology (Oxford)*. 2019 Feb 1;58(2):254-259. doi: 10.1093/rheumatology/key271. PMID: 30239834.
- 17: Selby PJ, Banks RE, Gregory W, Hewison J, Rosenberg W, Altman DG, Deeks JJ, McCabe C, Parkes J, Sturgeon C, Thompson D, Twiddy M, Bestall J, Bedlington J, Hale T, Dinnes J, Jones M, Lewington A, Messenger MP, Napp V, Sitch A, Tanwar S, Vasudev NS, Baxter P, Bell S, Cairns DA, Calder N, Corrigan N, Del Galdo F, Heudtlass P, Hornigold N, Hulme C, Hutchinson M, Lippiatt C, Livingstone T, Longo R, Potton M, Roberts S, Sim S, Trainor S, Welberry Smith M, Neuberger J, Thorburn D, Richardson P, Christie J, Sheerin N, McKane W, Gibbs P, Edwards A, Soomro N, Adeyoju A, Stewart GD, Hrouda D. Methods for the evaluation of biomarkers in patients with kidney and liver diseases: multicentre research programme including ELUCIDATE RCT. Southampton (UK): NIHR Journals Library; 2018 Jun. PMID: 29995365.
- 18: Jaeger VK, Valentini G, Hachulla E, Cozzi F, Distler O, Airó P, Cziráj L, Allanore Y, Siegert E, Rosato E, Matucci-Cerinic M, Caimmi C, Henes J, Carreira PE, Smith V, Del Galdo F, Denton CP, Ullman S, De Langhe E, Ricciari V, Alegre-Sancho JJ, Rednic S, Müller-Ladner U, Walker UA; EUSTAR coauthors. Brief Report: Smoking in Systemic Sclerosis: A Longitudinal European Scleroderma Trials and Research Group Study. *Arthritis Rheumatol*. 2018 Nov;70(11):1829-1834. doi: 10.1002/art.40557. Epub 2018 Sep 24. PMID: 29781588.
- 19: Crescioli C, Corinaldesi C, Ricciari V, Raparelli V, Vasile M, Del Galdo F, Valesini G, Lenzi A, Basili S, Antinozzi C. Association of circulating CXCL10 and CXCL11 with systemic sclerosis. *Ann Rheum Dis*. 2018 Dec;77(12):1845-1846. doi: 10.1136/annrheumdis-2018-213257. Epub 2018 May 14. PMID: 29760155; PMCID: PMC6241615.

20: Ndosi M, Alcacer-Pitarch B, Allanore Y, Del Galdo F, Frerix M, García-Díaz S, Hesselstrand R, Kendall C, Matucci-Cerinic M, Mueller-Ladner U, Sandqvist G, Torrente-Segarra V, Schmeiser T, Sierakowska M, Sierakowska J, Sierakowski S, Redmond A. Common measure of quality of life for people with systemic sclerosis across seven European countries: a cross-sectional study. *Ann Rheum Dis*. 2018 Jul;77(7):1032-1038. doi: 10.1136/annrheumdis-2017-212412. Epub 2018 Feb 20. PMID: 29463517; PMCID: PMC6029637.

21: Wilkinson JD, Leggett SA, Marjanovic EJ, Moore TL, Allen J, Anderson ME, Britton J, Buch MH, Del Galdo F, Denton CP, Dinsdale G, Griffiths B, Hall F, Howell K, MacDonald A, McHugh NJ, Manning JB, Pauling JD, Roberts C, Shipley JA, Herrick AL, Murray AK. A Multicenter Study of the Validity and Reliability of Responses to Hand Cold Challenge as Measured by Laser Speckle Contrast Imaging and Thermography: Outcome Measures for Systemic Sclerosis-Related Raynaud's Phenomenon. *Arthritis Rheumatol*. 2018 Jun;70(6):903-911. doi: 10.1002/art.40457. Epub 2018 Apr 23. PMID: 29457381; PMCID: PMC6001804.

22: Gillespie J, Ross RL, Corinaldesi C, Esteves F, Derrett-Smith E, McDermott MF, Doody GM, Denton CP, Emery P, Del Galdo F. Transforming Growth Factor β Activation Primes Canonical Wnt Signaling Through Down-Regulation of Axin-2. *Arthritis Rheumatol*. 2018 Jun;70(6):932-942. doi: 10.1002/art.40437. Epub 2018 Apr 23. PMID: 29409120.

23: Adler S, Huscher D, Siegert E, Allanore Y, Czirják L, DelGaldo F, Denton CP, Distler O, Frerix M, Matucci-Cerinic M, Mueller-Ladner U, Tarner IH, Valentini G, Walker UA, Villiger PM, Riemekasten G; EUSTAR co-workers on behalf of the DeSScIPHER project research group within the EUSTAR network. Systemic sclerosis associated interstitial lung disease - individualized immunosuppressive therapy and course of lung function: results of the EUSTAR group. *Arthritis Res Ther*. 2018 Jan 30;20(1):17. doi: 10.1186/s13075-018-1517-z. PMID: 29382380; PMCID: PMC5791165.

24: Liakouli V, Elies J, El-Sherbiny YM, Scarcia M, Grant G, Abignano G, Derrett-Smith EC, Esteves F, Cipriani P, Emery P, Denton CP, Giacomelli R, Mavria G, Del Galdo F. Scleroderma fibroblasts suppress angiogenesis via TGF- β /caveolin-1 dependent secretion of pigment epithelium-derived factor. *Ann Rheum Dis*. 2018 Mar;77(3):431-440. doi: 10.1136/annrheumdis-2017-212120. Epub 2017 Dec 19. PMID: 29259049; PMCID: PMC5867407.

25: Daniel A, Bagnato G, Vital E, Del Galdo F. Chylous ascites in a patient with an overlap syndrome: a surprising response to rituximab. *BMJ Case Rep*. 2017 Oct 20;2017:bcr2017222339. doi: 10.1136/bcr-2017-222339. PMID: 29054902; PMCID: PMC5665331.

26: Johnson SR, Soowamber ML, Fransen J, Khanna D, Van Den Hoogen F, Baron M, Matucci-Cerinic M, Denton CP, Medsger TA Jr, Carreira PE, Riemekasten G, Distler J, Gabrielli A, Steen V, Chung L, Silver R, Varga J, Müller-Ladner U, Vonk MC, Walker UA, Wollheim FA, Herrick A, Furst DE, Czirjak L, Kowal-Bielecka O, Del Galdo F, Cutolo M, Hunzelmann N, Murray CD, Foeldvari I, Mouthon L, Damjanov N, Kahaleh B, Frech T, Assassi S, Sackett LA, Pope JE. There is a need for new systemic sclerosis subset criteria. A content analytic approach. *Scand J Rheumatol*. 2018 Jan;47(1):62-70. doi: 10.1080/03009742.2017.1299793. Epub 2017 Oct 9. PMID: 28990485.

27: Jaeger VK, Distler O, Maurer B, Czirják L, Lóránd V, Valentini G, Vettori S, Del Galdo F, Abignano G, Denton C, Nihtyanova S, Allanore Y, Avouac J, Riemekasten G, Siegert E, Huscher D, Matucci-Cerinic M, Guiducci S, Frerix M, Tarner IH, Garay Toth B, Fankhauser B, Umbricht J, Zakharova A, Mihai C, Cozzi F, Yavuz S, Hunzelmann N, Rednic S, Vacca A, Schmeiser T, Ricciari V, García de la Peña Lefebvre P, Gabrielli A, Krummel-Lorenz B, Martinovic D, Ancuta C, Smith V, Müller-Ladner U, Walker UA. Functional disability and its predictors in systemic sclerosis: a study from the DeSScIPHER project within the EUSTAR group. *Rheumatology (Oxford)*. 2018 Mar 1;57(3):441-450. doi: 10.1093/rheumatology/kex182. PMID: 28499034.

28: Abignano G, Kapadia A, Lettieri G, Goodfield M, Emery P, McGonagle D, Del Galdo F, Mikeljevic J. Use of optical coherence tomography for the diagnosis of preclinical lesions of circumscribed palmar hypokeratosis. *Clin Exp Dermatol*. 2017 Mar;42(2):192-195. doi: 10.1111/ced.13027. Epub 2017 Jan 4. PMID: 28052358.

29: Kowal-Bielecka O, Fransen J, Avouac J, Becker M, Kulak A, Allanore Y, Distler O, Clements P, Cutolo M, Czirjak L, Damjanov N, Del Galdo F, Denton CP, Distler JHW, Foeldvari I, Figelstone K, Frerix M, Furst DE, Guiducci S, Hunzelmann N, Khanna D, Matucci-Cerinic M, Herrick AL, van den Hoogen F, van Laar JM, Riemekasten G, Silver R, Smith V, Sulli A, Tarner I, Tyndall A, Welling J, Wigley F, Valentini G, Walker UA, Zulian F, Müller-Ladner U; EUSTAR Coauthors. Update of EULAR recommendations for the treatment of systemic sclerosis. *Ann Rheum Dis*. 2017 Aug;76(8):1327-1339. doi: 10.1136/annrheumdis-2016-209909. Epub 2016 Nov 9. PMID: 27941129.

30: Santiago T, Alcacer-Pitarch B, Salvador MJ, Del Galdo F, Redmond AC, da Silva JA. A preliminary study using virtual touch imaging and quantification for the assessment of skin stiffness in systemic sclerosis. *Clin Exp Rheumatol*. 2016 Sep-Oct;34 Suppl 100(5):137-141. Epub 2016 Feb 25. PMID: 26939859.

31: Abignano G, Bissell LA, Emery P, Del Galdo F, Buch MH. Does high-dose extended course cyclophosphamide and methylprednisolone pulse therapy have a role in the management of systemic sclerosis-related interstitial lung disease? *Rheumatology (Oxford)*. 2016 Dec;55(12):2273-2275. doi:10.1093/rheumatology/kew362. Epub 2016 Oct 15. PMID: 27744357.

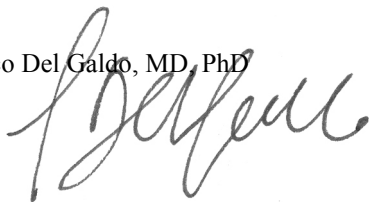
- 32: Bissell LA, Abignano G, Emery P, Del Galdo F, Buch MH. Absence of Scleroderma pattern at nail fold capillaroscopy valuable in the exclusion of Scleroderma in unselected patients with Raynaud's Phenomenon. *BMC Musculoskelet Disord.* 2016 Aug 15;17(1):342. doi: 10.1186/s12891-016-1206-5. PMID: 27526772; PMCID: PMC4986250.
- 33: Papadopoulos V, Tsapakidis K, Riobo Del Galdo NA, Papandreou CN, Del Galdo F, Anthony A, Sakellaris N, Dimas K, Kamposioras K. The Prognostic Significance of the Hedgehog Signaling Pathway in Colorectal Cancer. *Clin Colorectal Cancer.* 2016 Jun;15(2):116-27. doi: 10.1016/j.clcc.2016.02.010. Epub 2016 Feb 16. PMID: 27032873.
- 34: Wirz EG, Jaeger VK, Allanore Y, Riemekasten G, Hachulla E, Distler O, Airò P, Carreira PE, Tikly M, Vettori S, Balbir Gurman A, Damjanov N, Müller-Ladner U, Distler J, Li M, Häusermann P, Walker UA; EUSTAR coauthors. Incidence and predictors of cutaneous manifestations during the early course of systemic sclerosis: a 10-year longitudinal study from the EUSTAR database. *Ann Rheum Dis.* 2016 Jul;75(7):1285-92. doi: 10.1136/annrheumdis-2015-207271. Epub 2015 Jul 31. PMID: 26232495.
- 35: Kang T, Abignano G, Lettieri G, Wakefield RJ, Emery P, Del Galdo F. Skin imaging in systemic sclerosis. *Eur J Rheumatol.* 2014 Sep;1(3):111-116. doi: 10.5152/eurjrheumatol.2014.036. Epub 2014 Sep 1. PMID: 27708890; PMCID: PMC5042219.
- 36: Abignano G, Scott N, Wollheim FA, Emery P, Buch MH, Del Galdo F. Collagenous colitis in systemic sclerosis: an overlooked and treatable complication. *J Clin Rheumatol.* 2014 Aug;20(5):278-82. doi: 10.1097/RHU.0000000000000121. PMID: 25036565.
- 37: Abignano G, Del Galdo F. Quantitating skin fibrosis: innovative strategies and their clinical implications. *Curr Rheumatol Rep.* 2014 Mar;16(3):404. doi: 10.1007/s11926-013-0404-5. PMID: 24442715.
- 38: Del Galdo F, Matucci-Cerinic M. The search for the perfect animal model discloses the importance of biological targets for the treatment of systemic sclerosis. *Ann Rheum Dis.* 2014 Apr;73(4):635-6. doi: 10.1136/annrheumdis-2013-203910. Epub 2013 Nov 20. PMID: 24257026.
- 39: de Almeida CJ, Jasmin JF, Del Galdo F, Lisanti MP. Genetic ablation of caveolin-2 sensitizes mice to bleomycin-induced injury. *Cell Cycle.* 2013 Jul 15;12(14):2248-54. doi: 10.4161/cc.25335. PMID: 24067367; PMCID: PMC3755075.
- 40: Aydin SZ, Castillo-Gallego C, Ash ZR, Abignano G, Marzo-Ortega H, Wittmann M, Del Galdo F, McGonagle D. Potential use of optical coherence tomography and high-frequency ultrasound for the assessment of nail disease in psoriasis and psoriatic arthritis. *Dermatology.* 2013;227(1):45-51. doi: 10.1159/000351702. Epub 2013 Aug 24. PMID: 23988587.
- 41: Abignano G, Cuomo G, Buch MH, Rosenberg WM, Valentini G, Emery P, Del Galdo F. The enhanced liver fibrosis test: a clinical grade, validated serum test, biomarker of overall fibrosis in systemic sclerosis. *Ann Rheum Dis.* 2014 Feb;73(2):420-7. doi: 10.1136/annrheumdis-2012-202843. Epub 2013 Mar 19. PMID: 23511226.
- 42: Busquets J, Lee Y, Santamarina L, Federman JL, Abel A, Del Galdo F, Eagle RC Jr, Jimenez SA. Acute retinal artery occlusion in systemic sclerosis: a rare manifestation of systemic sclerosis fibroproliferative vasculopathy. *Semin Arthritis Rheum.* 2013 Oct;43(2):204-8. doi: 10.1016/j.semarthrit.2012.12.025. Epub 2013 Feb 19. PMID: 23433487; PMCID: PMC6748321.
- 43: Abignano G, Aydin SZ, Castillo-Gallego C, Liakouli V, Woods D, Meekings A, Wakefield RJ, McGonagle DG, Emery P, Del Galdo F. Virtual skin biopsy by optical coherence tomography: the first quantitative imaging biomarker for scleroderma. *Ann Rheum Dis.* 2013 Nov;72(11):1845-51. doi: 10.1136/annrheumdis-2012-202682. Epub 2013 Feb 20. PMID: 23426041.
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