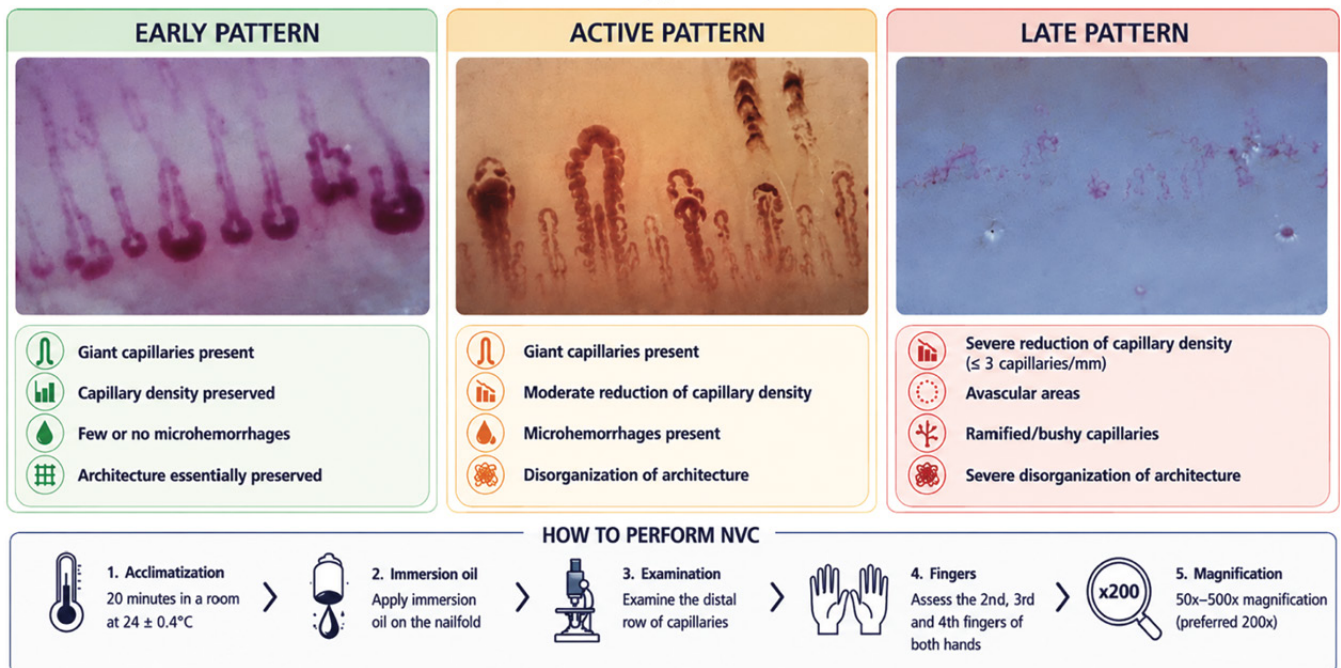


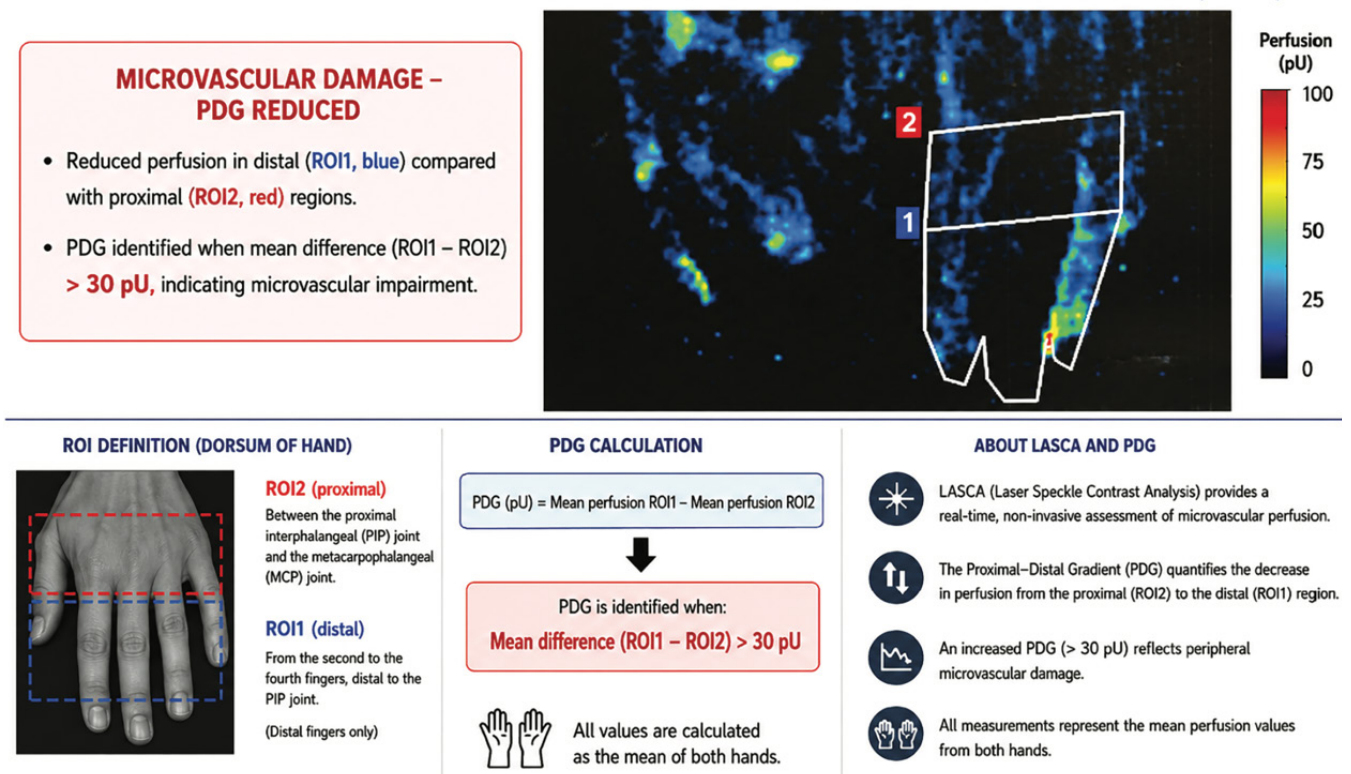
Nailfold Videocapillaroscopy (NVC) – Scleroderma Patterns



Supplementary Fig. S1. Representative nailfold videocapillaroscopy (NVC) patterns in systemic sclerosis (SSc).

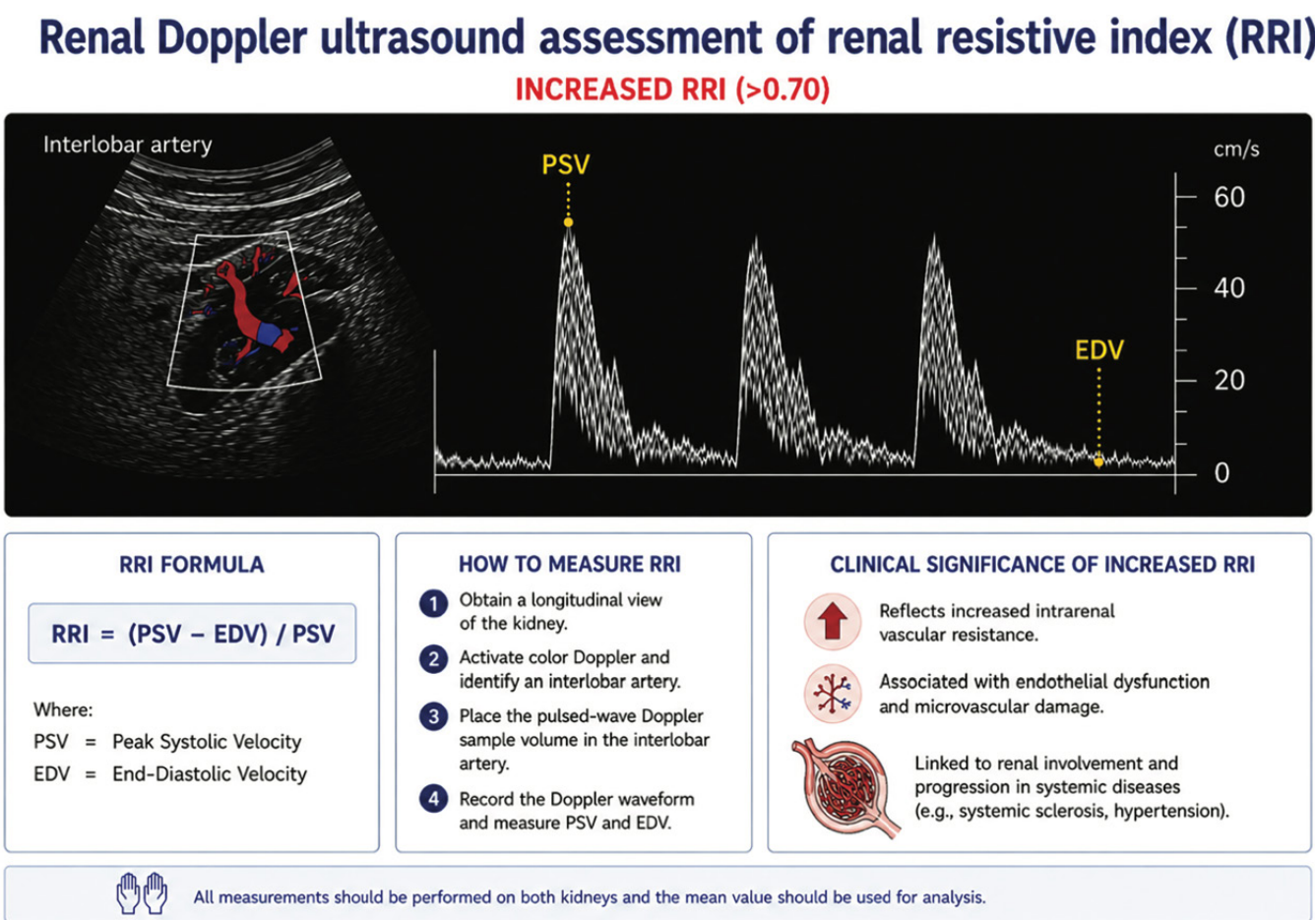
Schematic illustration of the early, active, and late scleroderma patterns according to Cutolo's classification, highlighting the main capillaroscopic features used for microvascular damage assessment. Schematic illustration of the NVC examination procedure, including patient acclimatisation, immersion oil application, examination of the distal nailfold capillaries, and image acquisition.

LASCA – PERIPHERAL PERFUSION AND PROXIMAL–DISTAL GRADIENT (PDG)



Supplementary Fig. S2. Laser speckle contrast analysis (LASCA) assessment of peripheral perfusion.

Schematic representation of the proximal–distal gradient (PDG) calculation, including the definition of proximal (ROI2) and distal (ROI1) regions of interest and the identification of impaired peripheral perfusion based on increased PDG values (PDG > 30 pU).



Supplementary Fig. S3. Renal Doppler ultrasound assessment of the renal resistive index (RRI). Representative Doppler waveform illustrating peak systolic velocity (PSV) and end-diastolic velocity (EDV) used for RRI calculation, together with the measurement procedure and the clinical significance of increased RRI (>0.70).

Supplementary Table S1. Univariable and multivariable logistic regression analyses evaluating factors associated with recurrent digital ulcers in 29 patients with systemic sclerosis. Odds ratios (ORs), 95% confidence intervals (CIs), and *p*-values are reported.

Variables	Univariable analysis		Multivariable analysis	
	OR (95% CI)	<i>p</i>	OR (95% CI)	<i>p</i>
miR-29b	0.002 (0.000;0.718)	<0.05	0.012 (0.000;15.823)	>0.05
late	6.857 (1.124;41.827)	<0.05	1.364 (0.083;22.385)	>0.05
dcSSc	15.000 (2.239;100.483)	<0.01	10.677 (0.831;137.189)	>0.05

SSc: systemic sclerosis; dcSSc: diffuse cutaneous systemic sclerosis; DUs: digital ulcers; OR: odds ratio; CI: confidence intervals.