

**Multimedia Appendix 2.** Study schedule of assessments.

Visit No.	Treatment																											
	Screening	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Follow-up (25)		
Week		1			2			3			4			5			6			7			8			12		
Irradiation		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
DLQI <sup>a</sup>		X						X						X						X						X	X	
Photos		X																								X	X	
Itch VAS <sup>b</sup>		X						X			X			X			X			X						X	X	
SCORAD <sup>c</sup>		X						X						X						X						X	X	
IGA <sup>d</sup>		X						X						X						X						X	X	
EASI <sup>e</sup>	X	X						X						X						X						X	X	
PO-SCORAD <sup>f</sup>		X						X			X			X			X			X						X	X	
Adverse events		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Blood pressure	X	X						X						X						X						X	X	
Fitzpatrick skin type		X																										
differential blood count	X	X						X						X						X						X	X	
IgE, sx1, HIV, Hep B/C, preg test (serum)	X																											
Patient- and disease-related info		X																								X		
Mexameter pigmentation		X												X												X		

Abbreviations: <sup>a</sup> Dermatology Life Quality Index, <sup>b</sup> Visual Analogue Scale, <sup>c</sup> SCORing Atopic Dermatitis,

<sup>d</sup> Investigator Global Assessment, <sup>e</sup> Eczema Area and Severity Index, <sup>f</sup> Patient oriented SCORing Atopic Dermatitis.

Procedures with green background will be performed by the blinded investigator, procedures in red will be performed by the study nurse.