Table S1: Calibration of the decision tree with model assumptions and decision nodes probabilities. Baseline values, sensitivity ranges and distributions. *Triangular (min, max, modus), *Beta (alpha, beta)

Parameter	Baseline value	Sensitivity		Distribution	Source
		From	To		
Assumptions					
Number of lesion	1	1	4	None	Model
Duration of disease	303	180	365	Triangular (180, 365, 365)*	Muray et al. (2005)
Non-compliant cost rate	0.25	0	0.5	Triangular (0, 0.5, 0.25)	Educated guess
Per capita income	700	700	1000	None	World bank
Node probabilities SSG					
Treatment compliance	0.614	0.5526	0.6754	Beta (148, 93)*	Reithinger et al. (2015)
Primary closure	0.957	0.8613	1	Beta (22, 1)	Stahl et al. (2014)
Reulceration	0.182	0.1638	0.2000	Beta (4, 18)	Stahl et al. (2014)
Final closure after reulceration	0.75	0.6750	0.8250	Beta (3, 1)	Stahl et al. (2014)
Node probabilities ETC					
Treatment compliance	0.719	0.6471	0.7909	Beta (23, 9)	Stahl et al. (2014)
Primary closure	1	0.9000	1	Beta (22.75, 0.25)	Stahl et al. (2014)
Reulceration	0.13	0.1170	0.1430	Beta (3, 20)	Stahl et al. (2014)
Final closure after reulceration	0.667	0.6003	0.7337	Beta (2, 1)	Stahl et al. (2014)
Node probabilities MWT					
Treatment compliance	0.742	0.6678	0.8162	Beta (23, 8)	Stahl et al. (2014)
Primary closure	1	0.9000	1	Beta (22.75, 0.25)	Stahl et al. (2014)
Reulceration	0.304	0.2736	0.3344	Beta (7, 16)	Stahl et al. (2014)
Final closure after reulceration	0.286	0.2574	0.3146	Beta (2, 5)	Stahl et al. (2014)

Table S2: Efficacy parameters. Baseline values, sensitivity ranges and distributions. *Triangular (min, max, modus)

Parameter	Baseline value	Sensitivity		Distribution	Source
		From	To		
Efficacy SSG					
Mean days for primary closure	69	49	89	Triangular (49, 89, 69)*	Stahl et al. (2014)
Mean days of reulceration	15	7	27	Triangular (7, 27, 11)	Stahl et al. (2014)
Mean days between primary closure and reulceration	27	11	44	Triangular (11, 44, 26)	Stahl et al. (2014)
Mean days for final closure	96	57	136	Triangular (57, 136, 95)	Stahl et al. (2014)
Efficacy ETC					
Mean days for primary closure	33	29	37	Triangular (29, 37, 33)	Stahl et al. (2014)
Mean days of reulceration	32	16	48	Triangular (16, 48, 32)	Stahl et al. (2014)
Mean days between primary closure and reulceration	53	25	107	Triangular (25, 107, 27)	Stahl et al. (2014)
Mean days for final closure	136	116	156	Triangular (116, 156, 136)	Stahl et al. (2014)
Efficacy MWT					
Mean days for primary closure	45	34	56	Triangular (34, 56, 45)	Stahl et al. (2014)
Mean days of reulceration	41	14	67	Triangular (14, 67, 41)	Stahl et al. (2014)
Mean days between primary closure and reulceration	39	12	66	Triangular (12, 66, 39)	Stahl et al. (2014)
Mean days for final closure	71	42	99	Triangular (42, 99, 71)	Stahl et al. (2014)

Table S3: Direct medical costs. Baseline values, sensitivity ranges and distributions. *Gamma (apha, beta)

Parameter	Baseline value	Sensitivity		Distribution	Source
		From	To		
Direct medical cost SSG					
Drug SSG					
Cost per ml SSG	0.22	0.194	1	Gamma (100, 454)*	Albert David, India
Dosage of SSG per wound (ml)	0.60	0.540	0.660	Normal (0.6, 0.06)	Stahl et al. (2014)
Desinfection					
Cost per ml ethanol	0.004	0.0036	0.0044	Gamma (100, 25000)	Pharmacy MeS
Ethanol dosage per wound (ml)	2	1	3	Normal (2, 1)	Stahl et al. (2014)
Disposables					
Cost syringe (1cc) per unit	0.06	0.054	0.066	Gamma (100, 1666)	Pharmacy MeS
Cost gloves per pair	0.07	0.063	0.077	Gamma (100, 1428)	Pharmacy MeS
Cost gauze per unit	0.02	0.018	0.022	Gamma (100, 5000)	Pharmacy MeS
Number of injection					
Number of injection for primary closure	12	10	14	None	Stahl et al. (2014)
Average days between two injections	3	2	4	Normal (3, 1)	Stahl et al. (2014)

Table S3 (continued): Direct medical costs. Baseline values, sensitivity ranges and distributions. *Gamma (apha, beta)

Parameter	Baseline value	Sensitivity		Distribution	Source
		From	To		
Direct medical cost ETC					
Fix costs: ETC					
ETC Medical device					
Unit price ETC Minicutter	2040.97	1.836.873	4.080	Gamma (100, 0.048)	KLS Martin
Lifetime ETC device	10	5	20	Triangular (5, 20, 5)	KLS Martin
Wounds per year treated with ETC	2000	500	4000	Triangular (500, 4000, 1500)	Model
Anesthesia of the lesion					
Lidocain 1% injection solution per ml	0.03	0.027	0.033	Gamma (100, 3333)	Pharmacy in MeS
Dosage lidocain (ml) per wound	2	1	3	Normal (2,1)	Stahl et al. (2014)
Syringe for basic creme					
Syringe for basic creme (20cc)	0.04	0.036	0.044	Gamma (100, 2500)	Pharmacy in MeS
Variable costs: Dressing costs					
Jelly or Basic creme DAC N-055					
Cost per g of DAC N-055 Basic creme or jelly	0.085	0.085	1	Gamma (100, 1176)	Waisenmedizin e.V.
Dosage of DAC N-055 Basic creme or jelly per wound (g)	2	1	3	Normal (2,1)	Stahl et al. (2014)
Desinfection					
Cost per ml ethanol	0.04	0.036	0.044	Gamma (100, 25000)	Pharmacy in MeS
Dosage per wound ethanol (ml)	2	1	3	Normal (2, 1)	Stahl et al. (2014)
Disposables					
Cost gauze per unit	0.02	0.018	0.022	Gamma (100, 5000)	Pharmacy in MeS
Cost gloves per pair	0.07	0.063	0.077	Gamma (100, 1428)	Pharmacy in MeS
Cost Leukoplast (30cm)	0.01	0.009	0.011	Gamma (100, 10000)	Pharmacy in MeS
Number of dressings					
Average days between two dressings	3	2	4	Normal (3, 1)	Stahl et al. (2014)

Table S3 (continued): Direct medical costs. Baseline values, sensitivity ranges and distributions. *Gamma (apha, beta)

Parameter	Baseline value	Sensitivity		Distribution	Source
		From	To		
Direct medical cost MWT					
Fix costs: MWT					
Syringe for basic creme					
Syringe for basic creme (20cc)	0.04	0.036	0.044	Gamma (100, 2500)	Pharmacy in MeS
Variable costs: Dressing costs					
Jelly or Basic creme DAC N-055					
Cost per g of DAC N-055 Basic creme or jelly	0.085	0.085	1	Gamma (100, 1176)	Waisenmedizin e.V.
Dosage of DAC N-055 Basic creme or jelly per wound (g)	2	1	3	Normal (2, 1)	Stahl et al. (2014)
Desinfection					
Cost per ml ethanol	0.004	0.0036	0.0044	Gamma (100, 25000)	Pharmacy in MeS
Dosage per wound ethanol (ml)	2	1	3	Normal (2, 1)	Stahl et al. (2014)
Disposables					
Cost gauze per unit	0.02	0.018	0.022	Gamma (100, 5000)	Pharmacy in MeS
Cost gloves per pair	0.07	0.063	0.077	Gamma (100, 1428)	Pharmacy in MeS
Cost Leukoplast (30cm)	0.01	0.009	0.011	Gamma (100, 10000)	Pharmacy in MeS
Number of dressings					
Average days between two dressings	3	2	4	Normal (3, 1)	Stahl et al. (2014)

Table S4: Direct non-medical costs. Baseline values, sensitivity ranges and distributions. *Gamma (apha, beta), *Normal (mean, sd)

Parameter	Baseline value	Sensitivity		Distribution	Source
		From	To		
Direct non-medical cost SSG					
Number of visits					
Mean number of follow-up visits	5	4	6	Normal (5, 1)	Stahl et al. (2014)
Transportation Cost					
Mean transportation time per visit (in minutes)	21	18	24	Normal (21, 7)	Stahl et al. (2014)
Mean transportation cost per visit	0.4	0.31	0.49	Gamma (49, 19)	Stahl et al. (2014)
Mean waiting time per visit before treatment (in minutes)	7	6	8	Normal (7, 2)	Stahl et al. (2014)
Mean treatment time per visit (in minutes)	12	11	13	Normal (12, 3)	Stahl et al. (2014)
Direct non-medical cost ETC					
Number of visits					
Mean number of follow-up visits	4	3	5	Normal (4, 1)	Stahl et al. (2014)
Transportation Cost					
Mean transportation time per visit (in minutes)	20	17	23	Normal (21, 7)	Stahl et al. (2014)
Mean transportation cost per visit	0.63	0.43	0.83	Gamma (15, 10)	Stahl et al. (2014)
Mean waiting time per visit before treatment (in minutes)	7	6	8	Normal (7, 3)	Stahl et al. (2014)
Mean treatment time per visit (in minutes)	13	12	14	Normal (13, 3)	Stahl et al. (2014)

Table S4 (continued): Direct non-medical costs. Baseline values, sensitivity ranges and distributions. *Gamma (apha, beta), *Normal (mean, sd)

Parameter	Baseline value	Sensitivity		Distribution	Source
		From	To		
Direct non-medical cost MWT					
Number of visits					
Mean number of follow-up visits	4	3	6	Normal (4, 1)	Stahl et al. (2014)
Transportation Cost					
Mean transportation time per visit (in minutes)	21	18	24	Normal (21, 7)	Stahl et al. (2014)
Mean transportation cost per visit	0.54	0.33	0.75	Gamma (7, 12)	Stahl et al. (2014)
Mean waiting time per visit before treatment (in minutes)	7	6	8	Normal (7, 2)	Stahl et al. (2014)
Mean treatment time per visit (in minutes)	13	12	14	Normal (13, 3)	Stahl et al. (2014)

Table S5: Indirect costs. Baseline values and sensitivity ranges.

Parameter	Baseline value	Sensitivity		Distribution	Source
		From	To		
Indirect cost SSG					
Productivity loss					
Productivity loss	0.01	0.01	0.2	None	Educated guess
Indirect cost ETC					
Productivity loss					
Productivity loss	0.01	0.01	0.2	None	Educated guess
Indirect cost MWT					
Productivity loss					
Productivity loss	0.01	0.01	0.2	None	Educated guess