

Systematic Review Characteristics										
Study	Country of conduct	No. studies	RCT Study design	Wound type(s)	Age category (years)	Patient Population	Comorbidities	Care setting	Range of treatment period	Range of follow up period
Dat, 2012[68]	Australia	2	Yes	Pressure ulcers, infected surgical wounds	Any age	NR	NR	Hospital, clinic	Daily-10 weeks	<12 weeks
Dumville, 2012a[17]	UK	4	Yes	Diabetic foot/leg ulcers	18-80	Type I & II diabetics	NR	NR	Daily-24 weeks	8-35.7 weeks
Dumville, 2012b[18]	UK	6	Yes	Diabetic foot/leg ulcers	Adults	Type I & II diabetics	NR	NR	NR	4-12 weeks
Edwards, 2012[19]	UK	6	Yes	Diabetic foot/leg ulcers	NR	Type I & II diabetics	NR	Out-patients	NR	<16 weeks
Hinchliffe, 2012[69]	UK	49	No	Diabetic foot/leg ulcers	36-74	Type I & II diabetics	Cardiovascular, renal and cerebral vascular diseases	Hospital	NR	30 days-7 years
Kranke, 2012[20]	Germany	9	Yes	Diabetic foot/leg ulcers	NR	Type I & II diabetics, venous insufficiency	NR	NR	10 days-10 weeks	NR
Martinez-Zapata, 2012[21]	Spain	9	Yes	Mixed chronic wounds, venous leg ulcers	NR	NR	NR	Hospital	8-40 weeks	NR
Peters, 2012[70]	Netherlands	33	Yes	Diabetic foot/leg ulcers	≥18	Type I & II diabetics	Diabetes, skin and soft tissue infection, foot ulcers, post-surgical wounds, osteomyelitis, cellulitis	NR	5 days-9.7 weeks	NR
Vermeulen, 2012[71] (CR: Vermeulen,	Netherlands	13	Yes	Infected surgical wounds	>18	NR	NR	All settings	NR	NR

2005[113], Vermeulen, 2004[114])										
Voigt, 2012[22]	USA	10	Yes	Diabetic foot/leg ulcers	20-70	NR	Diabetic, cancer	NR	2-13 weeks	4 weeks- 78 weeks
Wilkinson, 2012[23] (CR: Wilkinson, 1999[115], Wilkinson, 1998[116])	UK	6	Yes	Venous leg ulcers	NR	Patients with venous or arterial leg ulcers for at least 4 weeks	Diabetes, venous insufficiency	Dermatology ward, surgical department, surgical out- patient	13-43 weeks	4- 60.1 weeks
Zarchi, 2012[72]	Denmark	7	Yes	Venous leg ulcers	NR	NR	Diabetes, venous insufficiency, surgical	NR	NR	10 days - 12 months
Aziz, 2011[73] (CR: Aziz, 2010[117])	Malaysia	3	Yes	Venous leg ulcers	All ages	NR	NR	NR	8-12 weeks	8-12 weeks
Cruciani, 2011[24]	Italy	5	Yes	Diabetic foot/leg ulcers, mixed arterial/venous leg ulcers	30-86	Type I & II diabetics	Osteomyelitis, cellulitis	Hospital	1-21 days	5 days-26 weeks
Cullum, 2011[25]	UK	8	Yes	Venous leg ulcers	NR	NR	Elderly	Hospital	Daily-12 weeks	3-12 weeks
Damiani, 2011[26]	Italy	6	No	Infected surgical wounds	NR	Post- sternotomy osteomyelitis	NR	Hospital	NR	NR
Dumville, 2011a[27]	UK	6	Yes	Diabetic foot/leg ulcers	18-80	Type I & II diabetics	NR	NR	Daily-16 weeks	< 16 weeks
Dumville, 2011b[28]	UK	5	Yes	Diabetic foot/leg ulcers	NR	Type I & II diabetics	NR	NR	0.5 days-20 weeks	10 days- 16 weeks
Hu, 2011[29]	China	31	Yes	Venous leg ulcers	28-70	Adults with a variety of wounds to pressure ulcers, venous	NR	NR	Daily-5 weeks	NR

						ulcers, diabetic ulcers and other disease related ulcers					
Hunt, 2011[79] (CR: Hunt, 2009[120])	Canada	36	Yes	Diabetic foot/leg ulcers	NR	Type I & II diabetics	NR	NR	NR	NR	NR
Jull, 2011[30] (CR: Jull, 2007[118])	New Zealand	12	Yes	Venous leg ulcers	Any age	NR	NR	Any care setting	7 days-26 weeks	NR	NR
Lima, 2011[74]	Brazil	8	No	Diabetic foot/leg ulcers	NR	Type I & II diabetics	NR	NR	NR	NR	NR
McGinnis, 2011[75]	UK	1	Yes	Pressure ulcers	Average 84		Dementia, neurological disabilities, cardiovascular disease, malignancy or orthopaedic problems	Hospital	78 weeks	NR	NR
McInnes, 2011[76]	Australia	18	Yes	Pressure ulcers	Adults	Inpatient	NSD	Nursing homes, care of the elderly, medical or surgical wards.	NR	NR	NR
Nelson, 2011a[77] (CR: Nelson, 2008[119])	UK	101	Yes	Venous leg ulcers	NR	NR	NR	NR	NR	NR	NR
Nelson, 2011b[31]	UK	7	Yes	Venous leg ulcers	NR	NR	NR	Community/home care setting as well as outpatient and inpatient settings	2028 hours /week	13-26 weeks	NR
Reddy, 2011[78]	USA	15	Yes	Pressure ulcers	>18 or not discussed	NR	NR	NR	NR	NR	NR
Suissa, 2011[32]	Canada	10	Yes	Mixed chronic wounds	NR	NR	NR	NR	NR	NR	2-6 weeks

Voigt, 2011[33]	USA	8	Yes	Diabetic foot/leg ulcers	NR	NR	Diabetes, Neuropathic insufficiency, venous insufficiency, arterial occlusive disease	NR	NR	5-24 weeks
Carter, 2010[34]	USA	10	Yes	Mixed arterial/venous leg ulcers, venous leg ulcers	NR	NR	NR	NR	NR	NR
Chen, 2010[35]	China	6	Yes	Diabetic foot/leg ulcers, mixed arterial/venous leg ulcers	NR	Type I & II diabetics	NR	NR	3 to 24 weeks	NR
O'Meara, 2010[36] (CR: O'Meara, 2009[121])	UK	25	Yes	Venous leg ulcers	NR	NR	NR	Any setting: inpatient, outpatient, nursing home, etc.	10 days-24 weeks	10 days-24 weeks
Pan, 2010[37]	Italy	10	No	Infected surgical wounds	≥13	NR	NR	Hospital	2 days-1 week	NR
Vermeulen, 2010[80]	Netherlands	3	Yes	Mixed arterial/venous leg ulcers	> 18	NR	NR	All settings	NR	4 weeks
Villela, 2010[38]	Brazil	18	Yes	Diabetic foot/leg ulcers	NR	Type I & II diabetics	NR	NR	NR	NR
Xie, 2010[81]	Canada	10	Yes	Diabetic foot/leg ulcers	37-74	NR	Diabetics, venous insufficiency, surgical	NR	NR	3-28 weeks
Amsler, 2009[39]	Switzerland	8	Yes	Venous leg ulcers	Mean overall: 60.7	NR	NR	Single and multi-centers, NR	NR	12-78 weeks
Jull, 2009[40]	New Zealand	2	Yes	Venous leg ulcers	Any age	NR	NR	Community setting, outpatient	<12 weeks	NR

								clinics, hospitals		
Lo, 2009[41]	Taiwan	8	Yes	Mixed chronic wounds	58.9-74.9	NR	NR	Western healthcare environments.	4-8 weeks	NR
Martinez-Zapata, 2009[42] (CR to Martinez-Zapata, 2012[21])	Spain	20	Yes	Mixed chronic wounds	Adults	NR	NR	NR	NR	NR
McGaughey, 2009[82]	Ireland	11	Yes	Mixed arterial/venous leg ulcers	NR	NR	NR	NR	NR	NR
Ministry of Health and Long-term Care, 2009a[43]	Canada	108	Yes	Pressure ulcers	47-88	Immobile, bedridden,	NR	Any care setting	<78.2 weeks	10 months
Ministry of Health and Long-term Care, 2009b[83]	Canada	2	Yes	Mixed arterial/venous leg ulcers	Mean age between 73-83	Persons newly referred to homecare for leg ulcer management; persons with leg or pressure wounds	NR	Home care	NR	13-26 weeks or until wounds healed
Nelson, 2009[84] (CR: Nelson, 2006[122])	UK	1	Yes	Mixed arterial/venous leg ulcers	NR	NR	NR	NR	NR	NR
O'Meara, 2009a[44]	UK	7	Yes	Venous leg ulcers	Mean overall (SD): 69.9(13.5)	NR	Presence of: slough, granulation, epithelialising tissue; history of deep vein thrombosis	NR	NR	13-52 weeks

O'Meara, 2009b[45]	UK	39	Yes	Mixed arterial/venous leg ulcers, venous leg ulcers	18-97	NR	NR	NR	NR	NR
Ramundo, 2009[85] (CR: Ramundo, 2008[123])	USA	12	Yes	Pressure ulcers	Adults (8 studies), elderly (1 study)	NR	NR	NR	NR	NR
Roukis, 2009[86]	USA	2	No	Diabetic foot/leg ulcers	37-81	Type I & II diabetics	NR	Hospital (surgical)	NR	12-256 weeks
Barber, 2008[46]	Australia	24	Yes	Diabetic foot/leg ulcers, venous leg ulcers	NR	NR	NR	NR	NR	6-26 weeks
Blozik, 2008[47]	Germany	5	Yes	Diabetic foot/leg ulcers	Any age	Type I & II diabetics	NR	Any setting	NR	NR
Flemming, 2008[48]	UK	4	Yes	Venous leg ulcers	Any age	Patients described as having (chronic) venous leg ulcers ("resistant to conventional therapy")	NR	Any care setting	10 minutes to 1x/week for 39 weeks	NR
Heyneman, 2008[87]	Belgium	29	Yes	Pressure ulcers	NR	NR	NR	Inpatient hospitals, home care services, nursing homes, wound clinics, rehabilitation clinics	4.2-16 weeks	Median study length 8 weeks
Hinchliffe, 2008[88]	UK	60	Yes	Diabetic foot/leg ulcers	≥18	Type I & II diabetics	NR	NR	Daily-12 weeks	4-26 weeks
Howard, 2008[89]	UK	54	Yes	Venous leg ulcers	NR	NR	NR	NR	NR	28.3-208.7 weeks (only for RCTs)

Langer, 2008[90]	Germany	4	Yes	Pressure ulcers	NR	NR	NR	Institution, hospital, nursing home	4 -12 weeks	NR
Lo, 2008[91]	Taiwan	14	Yes	Venous leg ulcers	18-99	NR	NR	NR	9 days-8 weeks	NR
Moore, 2008[92]	Ireland	3	Yes	Pressure ulcers	All ages	NR	NR	NR	NR	NR
Noble-Bell, 2008[93]	UK	4	Yes	Diabetic foot/leg ulcers	NR	Type I & II diabetics	NR	NR	2-16 weeks	NR
Reddy, 2008[94]	USA	103	Yes	Pressure ulcers	>18	NR	NR	Mixed settings, long term care, rehab, ambulatory, home care, palliative, acute care	1-104 weeks	NR
Sadat, 2008[49]	UK	3	Yes	Mixed arterial/venous leg ulcers	NR	Type I & II diabetics, vascular lower limb wounds	Diabetes	NR	NR	NR
Ubbink, 2008a[95]	Netherlands	7	Yes	Diabetic foot/leg ulcers	~40-60	NR	Diabetic, venous insufficiency,	All settings	NR	2-52 weeks
Ubbink, 2008b[96]	Netherlands	13	Yes	Infected surgical wounds	NR	NR	Diabetics	All settings	NR	NR
Van den Boogaard, 2008[97]	Netherlands	5	Yes	Pressure ulcers	NR	NR	NR	NR	NR	4-6 weeks
Chambers, 2007[50]	UK	9	Yes	Mixed arterial/venous leg ulcers	NR	NR	NR	NR	NR	4 to 12 weeks
Jones, 2007[51]	UK	9	Yes	Venous leg ulcers	Any age	Leg ulcers	NR		NR	20 days-52 weeks
Palfreyman, 2007[52]	UK	42	Yes	Venous leg ulcers	NR	NR	NR	NR	4-40 weeks	NR
Nelson, 2006[98] (CR: O'Meara,	UK	23	Yes	Diabetic foot/leg ulcers	NSD	Type I & II diabetics	NR	Inpatients and outpatients.	NR	NR

2000[124])										
O'Donnell, 2006[53]	USA	20	Yes	Venous leg ulcers	50-80	NR	NR	NR	NR	NR
Sari, 2006[54]	Iran	3	Yes	Pressure ulcers	All ages	NR	NR	Nursing home in one study	3-5 times/week	Unclear
Bouza, 2005a[99]	Spain	21	Yes	Pressure ulcers	NR	NR	NR	NR	NR	NR
Bouza, 2005b[55]	Spain	31	Yes	Mixed chronic wounds, mixed arterial/venous leg ulcers, venous leg ulcers	NR	Ambulatory patients	NR	NR	6 weeks-160.9 months	NR
Coleridge-Smith, 2005[56]	UK	5	Yes	Mixed arterial/venous leg ulcers, venous leg ulcers	Adults	Chronic venous disease	Post-thrombotic syndrome, varicose veins	NR	NR	2.5-26 weeks
Cruciani, 2005[57]	Italy	5	Yes	Mixed arterial/venous leg ulcers, diabetic foot/leg ulcers	NR	Type I & II diabetics	NR	NR	3-21 days	NR
Ho, 2005[58]	Canada	23	Yes	Diabetic foot/leg ulcers, mixed chronic wounds, venous leg ulcers	51-88	Older adults with foot ulcers that are diabetic, venous or both in origin	NR	Hospital	6-24 weeks	NR
Roeckl-Wiedmann, 2005[59]	Germany	6	Yes	Diabetic foot/leg ulcers	NR	Type I & II diabetics	NR	NR	NR	NR
Schuren, 2005[100]	Canada	9	Yes	Venous leg ulcers	NR	NR	NR	NR	NR	NR
Stratton, 2005[16]	UK	15	Yes	Pressure ulcers	>18 (40-90)	NR	Diabetes, dementia,	Hospital and community	2-74 weeks	NR
Cullum, 2004[60]	UK	8	Yes	Pressure ulcers	16-98	Impaired mobility, elderly, surgical	Fixed joints, peripheral vascular disease,	Hospital, long term care facility, nursing home	NR	13 days-36 weeks

						patients, nursing home/long term care resident	neurological disorder			
Mwipatayi, 2004[101]	Australia	2	No	Mixed arterial/venous leg ulcers	NR	NR	NR	NR	NR	NR
Singh, 2004[61]	India	12	Yes	Mixed chronic wounds	>24	NR	Diabetes	Hospital	NR	NR
TenBrook, 2004[102]	USA	20	Yes	Venous leg ulcers	44-67	Venous Insufficiency	NR	Hospital	NR	32-576 weeks
Berliner, 2003[103]	USA	8	Yes	Venous leg ulcers	NR	NR	NR	NR	NR	NR
Pham, 2003[104]	Australia	17	Yes	Pressure ulcers	NR	Diabetic, surgical	NR	NR	NR	2 days-40 weeks
Wang, 2003[105]	USA	57	Yes	Venous leg ulcers	NR	NR	Diabetes, arterial insufficiencies	NR	NR	NR
Cullum, 2001a[62] (CR: Cullum, 2008[125])	UK	69	Yes	Pressure ulcers	NR	NR	NR	Hospital/nursing home	2-36 weeks	NR
Cullum, 2001b[62] (CR: Cullum, 2008[125])	UK	45	Yes	Venous leg ulcers	NR	NR	NR	Any care setting (mainly hospitals, long term care facilities)	NR	NR
Cullum, 2001c[62] (CR: Cullum, 2008[125])	UK	24	Yes	Mixed chronic wounds	NR	NR	NR	Any care setting	NR	NR
Emergency Care Research Institute (ECRI), 2001[106]	USA	10	Yes	Pressure ulcers	NR	NR	NR	Home and "other settings"	36 weeks	NR

Evans, 2001[107]	UK	2	Yes	Venous leg ulcers	18-75	Diabetics, pressure, trauma	NR	NR	3- 6 weeks	NR
Lewis, 2001[108]	UK	17	Yes	Infected surgical wounds	NR	NR	NR	Hospital and clinic	NR	NR
Moore, 2001[109]	Ireland	1	Yes	Infected surgical wounds	NR	NR	NR	NR	NR	NR
O'Meara, 2001[110] (CR: O'Meara, 2000[124])	UK	22	Yes	Mixed arterial/venous leg ulcers	NR	Venous and arterial insufficiency, limited mobility, diabetic	NR	NR	NR	NR
Lucas, 2000[63]	Netherlands	4	Yes	Mixed chronic wounds	NR	NR	NR	NR	NR	NR
Bradley, 1999a[111]	UK	35	Yes	Mixed chronic wounds, venous leg ulcers	NR	NR	NR	NR	NR	NR
Bradley, 1999b[64]	UK	93	Yes	Pressure ulcers, venous leg ulcers	NR	NR	NR	NR	NR	NR
Mason, 1999[112]	UK	29	Yes	Diabetic foot /leg ulcers	NR	Type I & II diabetics	NR	NR	NR	NR
Johannsen, 1998[65]	Denmark	6	Yes	Mixed arterial/venous leg ulcers, venous leg ulcers	61-73	Adults with chronic venous leg ulceration	NR	NR	4-12 weeks	NR
Palfreyman, 1998[66]	UK	8	Yes	Venous leg ulcers	NR	NR	NR	Includes ambulatory, clinic, outpatient	13-78.3 weeks (if reported)	26 weeks (if reported)
Fletcher, 1997[67]	UK	24	Yes	Venous leg ulcers	NR	NR	NR	Hospital	NR	NR

Note: NA = not applicable, NR = not reported, RCT = randomized clinical trial.