



Table 1
Silicone Gel
09/2015

Evidence Table/Articles - Silicone Gel

	Author	Centre or Publication	Year	Title	Study Type	Evidence Level
1	Monstrey Stan, et al	Journal of Plastic, Reconstructive & Aesthetic Surgery (2014) 67, 1017e1025	2014	Updated Scar Management Practical Guidelines	Systematic reviews of case-control or cohort studies	2++
2	Meaume S, et al.	Eur J Dermatol 2014; 24(4): 435-43 doi:10.1684/ejd.2014.2356	2014	Management of scars: Updated practical guidelines and use of silicones	Systematic reviews of case-control or cohort studies	2++
3	Parry, I, Somen, S, Palmieri, T, Greenhalgh	J Burn Care Res 2013;34:569–575)	2013	Nonsurgical Scar Management of the Face: Does Early Versus late Intervention Affect Outcomes?	Systematic reviews of case-control or cohort studies	2++
4	Mustoe, TA	Aesthetic Plastic Surgery. 2008: 32: 82-92	2008	Evolution of Silicone Therapy and Mechanism of Action in Scar Management	A systematic review of the use of a topical silicone gel therapy in the management of abnormal scarring	1+
5*	J. Poston, MSc, RGN, Nurse Clinician, UK	Journal of wound care january, vol 9, no 1, 2000	2000	The use of silicone gel sheeting in the management of hypertrophic and keloid Scras	A systematic review of the use of a topical silicone gel therapy in the management of abnormal scarring	2++
6*	David B. Hom, MD; Katherine A. Hom, MS,	Laryngoscope 125: February 2015	2014	Do Topical Products Reduce Postincision Scars?	Systematic review	2
7	Martijn B. A. van der Wal, M.D.,Ph.D. Peter van de Ven, Ph.D.	Plast. Reconstr. Surg. 126: 524, 2010	2010	Topical Silicone Gel versus Placebo in Promoting the Maturation of Burn Scars: A	High-quality meta-analyses, systematic reviews of randomised controlled trials	1++

	Esther Middelkoop, Ph.D. Beverwijk & Amsterdam, The Netherlands			Randomized Controlled Trial	(RCTs) or RCTs with a very low risk of bias	
8*	<u>Neerja Puri</u> and <u>Ashutosh Talwar</u> India	J Cutan Aesthet Surg. 2009 Jul-Dec; 2(2): 104–106.	2009	The Efficacy of Silicone Gel for the Treatment of Hypertrophic Scars and Keloids (Topical Gel Verses Sheet Gel)	Case cohort	2-
9	Greenwood et al Multinational	Journal of Burn Care & Research January/February 2012 Volume 33, Number 1 e17-e20	2012	Silicone Action in the Open Wound: A Hypothesis	Expert Opinion	4
10	Li, C et al China	(J Burn Care Res 2010;31:448–457)	2010	A Randomized Clinical Trial to Study the Effect of Silicone Gel Dressing and Pressure Therapy on Posttraumatic Hypertrophic Scars	High-quality meta-analyses, systematic reviews of randomised controlled trials (RCTs) or RCTs with a very low risk of bias	1++

*Topical Silicone Evidence

(Nice Guidelines, Reviewing & Grading Evidence April 2006)

Level of evidence	Type of evidence
1++	High-quality meta-analyses, systematic reviews of randomised controlled trials (RCTs) or RCTs with a very low risk of bias
1+	Well-conducted meta-analyses, systematic reviews of RCTs, or RCTs with a low risk of bias
1-	Meta-analyses, systematic reviews of RCTs, or RCTs with a high risk of bias
2++	High quality systematic reviews of case-control or cohort studies. High-quality case-control or cohort studies with a very low risk of confounding, bias or chance and a high probability that the relationship is causal
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2-	Case-control or cohort studies with a high risk of confounding, bias, or chance and a significant risk that the relationship is not causal
3	Non-analytic studies (for example, case report, case series)
4	Expert opinion

NICE, Reviewing and Grading Evidence, National Institute for Health and Clinical Evidence (April 2006)



Evidence Table/Articles - Oleeva® Fabric & Oleeva Foam Silicone Gel

Table 2
Oleeva Foam & Fabric
2015

Author	Centre	Year	Title	Study Type	Nice Guide
Jennifer Kemp-Offenberg Otr/L, Michael A. Serghiou, Otr/L Jonathan Niszcza, Ms, Otr/MBA,	Shriners Hospital For Children – Galveston Tx; Temple University Hospital – Philadelphia, Pa Bio Med Sciences, Inc. Allentown, Pennsylvania USA	2014	The Use Of Silicone Impregnated Foam Material In The Management Of Burn Scar Hypertrophy – Practical Applications For Effective Rehabilitation Interventions	Systematic reviews of case-control or cohort studies	2++
Lisa Forbes Duchart Msc Ot Reg (Mb) & Jonathan Niszcza, Ms, Otr/L	Health Sciences Center Winnipeg, Manitoba Temple University Burn Center Philadelphia, Pennsylvania	2010	Enhancing Scar Management Combination Therapy: Initial Experiences With Silicone Lined Thermo-Formable Foam.	Systematic reviews of case-control or cohort studies	2++
Michael Serghiou, Otr/L Jonathan Niszcza, Ms, Otr/L	Shriners Burn Hospital, Galveston, Texas, Usa & Bio Med Sciences, Inc. Allentown,	2007	Silon® Technology Enhances Durability And Produces A More Versatile Line Of Silicone Based Products To Treat Hypertrophic Burn Scars	Systematic reviews of case-control or cohort studies	2++
Ingrid Parry MS PT, Jonathan Niszcza MS, OTR/L, Soman Sen, MD, FACS, Tina L. Palmieri, MD,FACS	Shriners Hospital For Children – Northern California Temple University Burn Center, Philadelphia, Pennsylvania	2012	The Novel use of a Self-Adhesive Silicone Fabric Sheeting for Managing Difficult Eye Contracture – A Case Series.	Systematic reviews of case-control or cohort studies	2++

David Greenhalgh, MD, FACS	University Of California Davis Medical Center				
Jonathan Niszczak, Ms, Otr/L	Bio Med Sciences, Inc. Allentown, Pennsylvania USA	2009	Technological Advancements In The Management Of Hypertrophic Scars With Silicone And Pressure Modalities	Case-control or cohort studies	2-

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Evidence Table/Articles – Silon-TEX®

Table 3 Silon-TEX 2015

Author	Centre	Year	Title	Study Type	Nice Guide
Debra Wright, R&D Therapy Specialist	Jobskin Ltd, Notts UK	2015	A team approach to paediatric scar management of the lower limb using silicone gel and pressure therapy	Single case study	2+
Debra Wright, R&D Therapy Specialist	Jobskin Ltd, Notts UK	2015	Technological advancements in the management of hypertrophic scars with silicone gel and pressure	Single case study	2+
Tanja Klotz B.App. Sc (OT) Jonathan Niszczak, MS, OTR/L Angela Thynne B.OccThy Lina Cannalonga	Royal Adelaide Hospital, Australia Bio Med Sciences, Allentown PA Royal Brisbane & Womens Hospital, QLD Australia Therapist support labatory, Vic, Australia	2014	Experiences with a silicone bonded textile insert material in pressure garments	Systematic reviews of case-control or cohort studies	2++
Debra Wright, Clinical Product Development Jonathan Niszczak MS, OTR/L, Clinical Specialist	Jobskin Ltd, Notts UK Bio Med Sciences, Allentown PA, USA	2008	Current clinician opinions on the management of hypertrophic scars with pressure modulation	Systematic reviews of case-control or cohort studies	2+
Kimberley A. O'Brien, PT, DPT Gwen Weinstock-Zlotnick, MA, OTR?L, CHT, Hope Hunter, PT Roger W.Yurt, MD, FACS	Journal of burn care & research May/June	2006	Comparison of Positive Pressure Gloves on Hand Function in Adults with Burns	meta-analyses, systematic review	1+

(Nice Guidelines, Reviewing & Grading Evidence April 2015)



Evidence Table/Articles – Silon-LTS®

Table 4 Silon-LTS 2015

Author	Centre	Year	Title	Study Type	Nice
Dana Y Nakamura, OT Jonathan Niszcza, MS, OTR/L, Joseph A Molnar, MD, PhD	Wake Forest Baptist Medical Centre, Winston Salem, NC Temple University Hospital, PA	2011	Use of Silon-LTS low temperature splinting material for fabrication of a scar management facial orthosis in an infant	Case report	3
Michael A. Serghiou, MBA, OTR, Jonathan Niszcza MS, OTR/L, Clinical Specialist	Shriners Hospital for Children, Galveston, Texas Bio Med Sciences, Allentown PA, USA	2011	The use of silicone lined, low temperature thermoplastics in the rehabilitation of paediatric hand burns	Case Control	2+
Heather Hoffman, OTR/L Deborah Boorse, FNP-BC Sigrid Blome-Eberwein, MD	Lehigh Valley Regional Burn Centre, Allentown, PA	2010	Management of a challenging paediatric burn scar utilizing a novel silicone impregnated low temperature thermoplastic splint material	Case Report	3
Michael A. Serghiou, MBA, OTR, Jonathan Niszcza MS, OTR/L, Clinical Specialist	Shriners Hospital for Children, Galveston, Texas Temple University Hospital, PA Bio Med Sciences, Allentown PA, USA	2010	Employing a cost effective, long term solution to scar management and splinting utilizing a novel silicone impregnated splinting material	Case Control	2++
Michael A. Serghiou, MBA, OTR, Jonathan Niszcza MS, OTR/L, Clinical Specialist	Shriners Hospital for Children, Galveston, Texas Temple University Hospital, PA Bio Med Sciences, Allentown PA, USA	2010	The use of a low temperature thermoplastic impregnated splinting material in the management of anterior neck burn scar hypertrophy	Case Control	2+
Jonathan Niszcza MS, OTR/L, Clinical Specialist	Temple University Hospital, PA Bio Med Sciences, Allentown PA, USA	2003	A new burn mouth splinting option for oral scarring after burn injury	Case Control	2+

Barbara Knothe, MOT, OTR/L, CHT Fredrick A. DeClement, MD, FACS	St. Agnes Burn Centre, PA	1998	Dynamic cone mouth splinting: Adjunct to present scar management techniques	Case Control	2+
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Table 5
Silon-TSR
2015

Evidence Table/Articles – Silon-TSR®

Author	Centre	Year	Title	Study Type	Nice Guide
Henry D. Scandel IV, MD Stephen W. Perkins, MD	Indiana School of Medicine, Indianapolis, IN	Volume 28 no. 4 July/August 2008	CO2 Laser Resurfacing: Still a Good Treatment	case-control or cohort studies	2++
Mark Magnusson, FRACS (Plast) Remo P. Papini, FRCS (Plast) Suzzane M. Rea, FRCSI (Plast) Chris C.Reed, B. (Eng) Fioan M.Wood, FRACS (Plast)	Toowoomba Institute for Plastic Surgery Queensland, Australia. Dept. of medical physics, Royal Perth Hospital, Western Australia. West Midlands Reginal Burns Unit	Plastic & Reconstructive Surgery Volume 119 No. 2 Feb 2007	Cultured autologous keratinocytes in suspension accelerate epithelial maturation in an in vivo wound model as measured by electrical capacitance	systematic reviews of randomised controlled trials (RCTs)	1++
Kimberley Campisi, RN, RT	Temple University Burn Hospital, Pennsylvania	2006	A new option for the nursing wound management of toxic epidermal necrolysis syndrome – A case report	case-control or cohort studies	2
Barbara J. Rutledge, Ph.D.		Cosmetic Surgery Times 2004	Dressing for success after laser treatments: Smart bandages boost healing, ease pain	case-control or cohort studies	2+
Anne Scheck		Cosmetic Surgery Times 2002	Colleagues draw conclusion on occlusive dressing	systematic reviews of randomised controlled trials (RCTs)	1
R. Sonia Batra, MD, MSc, et al		Ach/dermatology	Evaluation of a silicone occlusive dressing	systematic reviews of randomised	1

		vol. 137 Oct 2001	after laser skin resurfacing	controlled trials (RCTs)	
Robert A. Weiss, MD Mitchel P. Goldman, MD		Dermatology Surgery 2001	Interpenetrating polymer network wound dressing verses petrolatum following facial CO2 laser resurfacing: A Bilateral Comparison	systematic reviews of randomised controlled trials (RCTs)	1
Coriene E. Hannapel		Cosmetic Surgery Times 2000	Laser dressing avoids postoperative problems	case-control or cohort studies	2
Marcelo Suarez, MD James E. Fulton, Jr., MD, PhD		American Society for Dermatology, INC. Dermatol Surg 1998:24:567-570.	A novel Occlusive dressing for skin resurfacing	systematic reviews of randomised controlled trials (RCTs)	1
Robert A. Weiss, MD Margaret A. Weiss, MD		Cosmetic Dermatology Vol.8 No. 10 Oct 1995	Promising results found with new polymer network	case-control or cohort studies	2
Mark E. Dillon, BS Walter J. Okunski, MD	Bio Med Sciences, Inc., PA Lehigh Valley Hospital Centre, Allentown, PA	Wounds: A Compendium of clinical research and practice Vol. 4, No. 5 Sept/Oct 1992	Silon non-adherent film dressings on autograft and donor sites	case-control or cohort studies	2

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