

## Vascular Lesions & Skin Revitalization

## Application

	Vascular Lesions & Skin Revitalization	Application
1.	<b>The Efficacy of a Dual Filter Handpiece (500–670nm and 870–1200 nm) of an Intense Pulse Light Device for the Treatment of Facial Telangiectasia</b> Shek S, P.Y. Chan N, C.Y. Chan J, H.L. Chan H. 2012. American Society for Laser Medicine and Surgery. (Abstract)	Facial Telangiectasia
2.	<b>Split-face Randomized Treatment of Facial Telangiectasia Comparing Pulsed Dye Laser and an Intense Pulsed Light Handpiece</b> Tanghetti E. 2012. Lasers in Surgery and Medicine. 44:97–102.	Facial Telangiectasia
3.	<b>Randomized Study of Intense Pulsed Light and Pulsed Dye Laser in The Treatment of Facial Telangiectasia</b> McMeekin T, Lertzman B, Hahn H, Arcara K. 2008. Lasers in Surgery and Medicine. (Abstract)	Facial Telangiectasia
4.	<b>Comparison of StarLux LuxG with Long Pulsed PDL, Long Pulsed KTP, and Traditional IPL for Treatment of Telangiectasias</b> Miranda C., Narurkar V. 2006. Lasers in Surgery and Medicine. (Abstract)	Telangiectasia
5.	<b>Increased Efficacy in Treatment of Facial Telangiectasia and Rosacea Utilizing StarLux IPL Technology with Variable Pulsewidth and Fluence.</b> Astner S, Wolmers S, Tsao S. 2005. Lasers in Surgery and Medicine.105. (Abstract)	Facial Telangiectasia & Rosacea
6.	<b>Case Study: Facial Telangiectasia</b> Vasily, David, 2/14/2011	Facial Telangiectasia
7.	<b>Case Study: Facial Telangiectasias</b> Alibhai, Haneef, 1/25/2008	Facial Telangiectasia
8.	<b>Case Study: Facial Telangiectasia (1)</b> Tanghetti, Emil, 2/12/2010	Facial Telangiectasia
9.	<b>Case Study: Facial Telangiectasia (2)</b> Tanghetti, Emil, 2/12/2010	Facial Telangiectasia
10.	<b>Characterization of an Optimized Light Source and Comparison to Pulsed Dye Laser for Superficial and Deep Vessel Clearance</b> Weiss R, Ross V, Tanghetti E, Vasily D, Childs J, Smirnov M, Altshuler G. 2011. Lasers in Surgery and Medicine.	Superficial & Deep Vessel Clearance
11.	<b>New Optimized Light Source for Treatment of Vascular Lesions of the Skin</b> Ross V, Tanghetti E, Vasily D, Weiss R, Childs J, Erofeev A, Smirnov M, Altshuler, G. 2010. PMTI.	Vascular Lesions
12.	<b>Optimum Spectrum and Pulse Shape for Vascular Lesion Treatment: The Science Behind MaxG</b> Childs J., Erofeev A., Smirnov M., Altshuler G. 2010. PMTI.	Vascular Lesions
13.	<b>Comparison Treatments for Vascular Lesions with the Vbeam® and the StarLux IPL</b> Kim K., Berenstein L., Chapas A., Geronemus R. 2006. Lasers in Surgery and	Vascular Lesions

	Medicine. 242. (Abstract)	
14.	<b>Case Study: Treatment of Vascular Lesions—Max G vs. Vbeam Pulsed Dye Laser</b> Arndt, Kenneth, 7/2010	<b>Vascular Lesions</b>
15.	<b>Clearance of Port Wine Stains Following Optimized Pulsed Light Treatments</b> Adatto M, Friedman D. 2012. American Society for Laser Medicine and Surgery. (Abstract)	<b>Port Wine Stains</b>
16.	<b>Case Study: Port Wine Stains</b> Adatto, Maurice, 6/15/2011	<b>Port Wine Stains</b>
17.	<b>Pushing The Spectrum: Optimizing Treatment of Vascular and Pigmented Lesions</b> Ross V, Arndt K, Dover J, Narurkar V, Tanghetti E, Vasily D, Weiss R. 2010.	<b>Vascular &amp; Pigmented Lesions</b>
18.	<b>Split Treatment of Photodamaged Skin with KTP 532nm Laser with 10mm Handpiece Versus IPL: A Cheek-to-Cheek Comparison</b> Ross V. 2005. Lasers in Surgery and Medicine. Vol. 9999:1–5.	<b>Photodamaged Skin</b>
19.	<b>Intense Pulsed Light Treatment of Photoaged Facial Skin</b> Klingman D.E, Zhen Y. 2004. American Society for Dermatologic Surgery, Inc. Vol. 30: 1085–1090.	<b>Photodamaged Skin</b>
20.	<b>Case Study: Treatment of Postoperative Bruising with Palomar® G Series Pulsed Light Handpiece</b> Marotta, James, 12/17/2012	<b>Bruising</b>
21.	<b>Case Study: Post Injectable Bruising from Dermal Fillers</b> Narurkar, Vic, 11/12/2012	<b>Bruising</b>
22.	<b>Case Study: Treatment with the Palomar® MaxG™ Optimized Light™ Handpiece for Post Injectable Bruising from Dermal Fillers</b> Narurkar, Vic, 11/12/2012	<b>Bruising</b>
23.	<b>Case Study: Solar Lentigines and Actinic Bronzing</b> Alibhai, Haneef, 4/21/2009	<b>Solar Lentigines &amp; Actinic Bronzing</b>

## Skintel® Melanin Reader™

## Application

24.	<b>Real-Time Melanin Measurements to Optimize Treatment Settings and Avoid Complications</b> Ross V, Vasily, Cohen J, Weiss R, Green J, Kaufman J, Cerino M. 2014. Lasers in Surgery Medicine. (Abstract)	<b>Skintel</b>
-----	--	----------------

25.	<b>Objective Measurement Device for Melanin Optical Density: Dosimetry for Laser and IPLs in Aesthetic Treatments</b> Yaroslavsky I, Childs J, Altshuler G, Zenzie H, Cohen R. PMTI.	Skintel
26.	<b>New Methods for Guidance of Light-Based Treatments Using Objective Melanin Measurements</b> Doherty S, Cohen R, Whitney F, Bradley O, Seckel B. PMTI.	Skintel
27.	<b>Beyond Fitzpatrick: A New Standard In Skin Typing For Optimal Outcomes</b> Ross E.V, Adatto M, Cohen J, Dover J, Green J, Kaufman J, Tanghetti R, Vasily D, Weiss R. 2012. Supplement to Dermatology Times.	Skintel
28.	<b>Objective Melanin Measurements: Review of Novel Dosimetry Guidance Device for Intense Pulsed Light in Aesthetic Treatments</b> Ross E.V., Blalock T., Winstanley D., Cohen J. and Childs J. April 2016. Journal of Drugs in Dermatology. 5(4):611-622.	Skintel

## Fractional Non-Ablative

## Application

29.	<b>A New Combined Treatment for Facial Rejuvenation Using an Optimized Pulsed Light Source Followed by a Fractional Non-Ablative Laser</b> Dover J, Saedi N, Mickle C, Chan S. 2013. Lasers in Surgery and Medicine. 45:405–409.	Skin Renewal (MaxG/1540)
30.	<b>Combination IPL and Non-Ablative Fractional Micro-Compression Optics for Skin Revitalization</b> Weiss R. 2014. Lasers in Surgery Medicine. (Abstract)	Skin Renewal (MaxG/1540)
31.	<b>Deep Heating of Dermis and Non-Ablative Fractional Facial Treatment with Micro-Compression Optics.</b> Dierickx C, Campos V, Pinto C. 2012. American Society for Laser Medicine and Surgery. (Abstract)	Skin Renewal
32.	<b>XF™ Microlen Optic and XD™ Microlen Compression Optic for Non-Ablative Fractional Skin Treatment with the Palomar Icon™ System</b> Doherty S, Seckel B, Childs J, Tabatadze D, Erofeev A, Smirnov M, Altshuler G. 2011. PMTI.	Skin Renewal
33.	<b>Evaluation of a Fractional Laser with Optical Compression Pins</b> Zelickson B, Walgrave S., Al-Arashi M, Yaroslavsky I., Altshuler G, Childs J, Smirnow M, Tabatadze D. 2011. Lasers in Surgery and Medicine. (Abstract)	Skin Renewal
34.	<b>A XD™ Microlens Compression Optic for Deep-Dermis Non-Ablative Fractional Treatment</b> Childs J, Altshuler G. 2011. PMTI.	Skin Renewal
35.	<b>Case Study: Non-ablative Skin Resurfacing</b> Sinclair, Michael, 12/4/2010	Skin Renewal
36.	<b>Self Canalization of Laser Microbeam in Tissue as Fundamental Mechanism of Fractional Skin Resurfacing.</b> Altshuler G, Yaroslavsky I, Smirnov M, Erofeev A, Childs J, Tabatadze D, Belikov A, Pushkareva A, Tihonov S. 2003. Lasers in Surgery and Medicine. (Abstract)	Skin Renewal
37.	<b>Treatment of Melasma with the StarLux 1540</b> Vasily D. 2007. Lasers in Surgery and Medicine. (Abstract)	Melasma

38.	<b>Fractional Non-Ablative 1540 nm Laser Resurfacing for Atrophic Acne Scars: A Randomized Controlled Trial</b> Hedelund L, Winther K, Beyer D, Nymann P, Haedersdal M. 2009. Lasers in Surgery and Medicine. (Abstract)	Scars
39.	<b>Fractional, Non-Ablative Laser Therapy for the Treatment of Surgical and Trauma Scars</b> Vasily D, Cerino, M.	Scars
40.	<b>Nonablative fractional laser resurfacing for the treatment of scars and grafts after Mohs micrographic surgery: a randomized controlled trial</b> Verhaeghe E, Ongenaes K, Dierckxsens L, Bostoen J, Lambert J. 2012. Journal of the European Academy of Dermatology and Venereology. (Abstract)	Scars
41.	<b>The 1540-nm Nonablative Fractional Photothermolysis for Facial Surgical Scars</b> Martin Jr J. 2012. American Journal of Cosmetic Surgery. Vol. 29, No. 1, pp. 25–29.	Scars
42.	<b>Experience with Fixed Array Novel 1540 Fractional Erbium Laser for Acne Scars</b> Weiss R, Weiss M, Beasley K. 2008. Lasers in Surgery and Medicine. (Abstract)	Scars
43.	<b>Non-Ablative Fractional Resurfacing of Surgical and Post-Traumatic Scars</b> Vasily D, Cerino M, Ziselman E, Tannous Z. 2009: JDD. Vol. 8 Issue 11 Pg 998.	Scars
44.	<b>Evaluation of Clinical Improvement in Acne Scars and Active Acne in Patients Treated with the 1540nm Non-Ablative Fractional Laser</b> Isarria M, Paloma C, Munoz E, de la Torre J, Moraga J. 2011. Journal of Drugs in Dermatology. Vol. 10 Issue 8 Pg 907.	Scars
45.	<b>Fractional Nonablative 1540nm Resurfacing for Thermal Burn Scars: A Randomized Controlled Trial</b> Haedersdal M, Moreau KE, Beyer DM, Nymann P, Alsbjorn B. 2009. University of Copenhagen.	Scars
46.	<b>Case Study: Non-Ablative Scar Treatment</b> van Vuuren, Rudie, 5/19/2011	Scars
47.	<b>Case Study: Acne Scars</b> Zanelli, Gaetano, 8/12/2011	Scars
48.	<b>Case Study: Acne Scars for Skin Type VI</b> Makrides, Lisa, 4/1/2010	Scars
49.	<b>Case Study: Acne Scar Treatment</b> Vasily, David, 3/6/2008	Scars
50.	<b>Case Study: Non-Ablative Treatment of Acne Scars</b> Zanelli, Gaetano, 4/8/2011	Scars
51.	<b>Case Study: Treatment of Facial Surgical Scars</b> Martin, John, 6/28/2010	Scars
52.	<b>Case Study: Surgical Scar Foot</b> Vasily, David, 3/6/2008	Scars
53.	<b>Case Study: Scar Nose Bridge</b> Vasily, David, 12/11/2009	Scars
54.	<b>Case Study: Scar Arm</b> Vasily, David, 3/6/2008	Scars
55.	<b>Case Study: Scar Right Cheek</b> Vasily, David, 3/6/2008	Scars
56.	<b>Case Study: Surgical Scar Treatment on Right Cheek</b> Martin, John, 8/20/2010	Scars
57.	<b>Case Study: Surgical Scar Right Eye</b> Vasily, David, 3/6/2008	Scars

# Bibliography

58.	<b>Er:GLASS Laser Treatment for Nonsurgical Management of Keloids: A Pilot Study</b> De Angelis F, Gallotti R. Lasers in Surgery Medicine. (Abstract)	<b>Keloids</b>
59.	<b>Fractional Non-Ablative 1540-nm Laser Treatment of Striae Distensae in Fitzpatrick Skin Types II to IV – Clinical and Histological Results</b> de Angelis F, Kolesnikova L, Renato F, Liguori G. 2010. Aesthetic Surgery Journal. (Abstract)	<b>Striae</b>
60.	<b>Fractional, Non-Ablative Laser Therapy for the Treatment of Striae Distensae</b> de Angelis F, Kolesnikova L. 2009. PMTI.	<b>Striae</b>
61.	<b>Striae After Topical Corticosteroid: Treatment with Nonablative Fractional Laser 1540 nm</b> Alves R, Camargo Boin E, Crocco E. 2015. Journal of Cosmetic and Laser Therapy. Early Online: 1-5.	<b>Striae</b>
62.	<b>Evaluation of a 1540nm and 1410nm Non-Ablative Fractional Laser for the Treatment of Striae</b> Wang K, Ross N, Osley K, Frank M, Uitto J, Sahu J, Saedi N. 2016. Dermatologic Surgery. 42:2. 225-231.	<b>Striae</b>
63.	<b>Case Study: Treatment of Stretch Marks</b> Kolesnikova, Larissa, 6/11/2010	<b>Striae</b>
64.	<b>Case Study: Striae</b> Adatto, Maurice, 3/15/2008	<b>Striae</b>
65.	<b>2940nm Er:YAG + 1540nm Er:Glass Combination Treatment for Facial Resurfacing</b> Haneef Alibhai. 2013. PMTI.	<b>Skin Resurfacing (1540/2940)</b>
66.	<b>Combination Fractional Non-Ablative and Ablative Treatment for Facial Skin Resurfacing: Clinical Results and Applications</b> Bass L, Doherty S, Seckel B, Ross V. 2011. PMTI.	<b>Skin Resurfacing (1540/2940)</b>
67.	<b>Case Study: Treatment of Moderate to Severe Wrinkles with Non-Ablative and Ablative Fractional Handpieces in a Single Combined Procedure</b> Doherty, Sean, 11/30/2010	<b>Skin Resurfacing (1540/2940)</b>

## Fractional Ablative

## Application

68.	<b>Groove Patterns of Ablation for Fractional Skin Resurfacing: Healing Time Course Study and Histological Evaluation</b> Ross, E.V, Doherty S, Seckel B. 2009. PMTI.	<b>Skin Resurfacing</b>
69.	<b>Groove Patterns of Ablation for Fractional Skin Resurfacing: Clinical Results and Applications</b> Doherty S, Seckel B, Dierickx C, Ross E.V. 2009. PMTI.	<b>Skin Resurfacing</b>
70.	<b>Advantages of a Groove Pattern of Micro-Fractional Ablation for Facial Skin Resurfacing</b> Doherty S, Seckel B, Ross E.V. 2009. Lasers in Surgery and Medicine. (Abstract)	<b>Skin Resurfacing</b>
71.	<b>Novel, Micro-Fractional Ablative Erbium Laser for Wrinkle Reduction and Skin Resurfacing</b> Ross E.V, Khatri K. 2008. PMTI.	<b>Skin Resurfacing</b>
72.	<b>Fractional Delivery of Er:Yag Laser Light to Improve Efficacy and Safety of Ablative Resurfacing Procedure</b> Dierickx C, Khatri K, Altshuler G, Childs J, Erofeev A, Smirnov M, Tabatadze D, Yaroslavsky I. 2007. Lasers in Surgery and Medicine. (Abstract)	<b>Skin Resurfacing</b>
73.	<b>Case Study: Ablative Resurfacing with Lux2940 for Mature Wrinkled Facial</b>	<b>Skin</b>

# Bibliography

	<b>Skin</b> Makrides, Lisa, 5/22/2009	<b>Resurfacing</b>
74.	<b>Case Study: Perioral Rhytids</b> VanDam, David, 3/2/2008	<b>Skin Resurfacing</b>
75.	<b>Case Study: Perioral Rhytides using the Lux2940 and Groove Optic</b> Doherty, Sean 11/12/2009	<b>Skin Resurfacing</b>
76.	<b>Case Study: Facial Ablative and Non-Ablative Treatment with Lux2940 Groove and Lux1440 Handpieces</b> Doherty, Sean, 6/26/2009	<b>Skin Resurfacing (1440/2940)</b>
77.	<b>Effects of Erbium Fractional Resurfacing on Third Degree Hypertrophic Burn Scars</b> Waibel J, Graber E, Davis S, Badiavas E. 2012. American Society for Laser Medicine and Surgery. (Abstract)	<b>Scars</b>

## Permanent Hair Reduction

## Application

78.	<b>Clinical Comparison of Four Hair Removal Lasers and Light Sources</b> Amin S, Goldberg D. 2006. Journal of Cosmetic and Laser Therapy. 8: 65–68.	<b>MaxRs/MaxY</b>
79.	<b>Effects of Fluence and Pulse Duration for Flashlamp Exposure on Hair Follicles</b> Manstein D, Pourshagh M, Anderson R, Erofeev A, Yaroslavsky I, Altshuler G. 2001. Lasers in Surgery and Medicine.	<b>LuxR</b>
80.	<b>Efficacy and Safety of a Suction-Enhanced Filtered IPL System for Hair Management.</b> Dierickx C, Altshuler G. 2006. Lasers in Surgery and Medicine. (Abstract)	<b>LuxRs</b>
81.	<b>Low Fluence 1064nm Laser Hair Reduction for Pseudofolliculitis Barbae in Skin Types IV, V, and VI.</b> Schulze R, Ross E.V. 2007. Lasers in Surgery and Medicine. (Abstract)	<b>1064</b>

*\*Please note that the above articles include information from not only Icon but its predecessors (EsteLux, MediLux & StarLux).*

Version 1: March 2016