

**UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF FLORIDA
FT. LAUDERDALE DIVISION**

CASE NO.: 18-CV-61047

UNITED STATES OF AMERICA,

Plaintiff,

v.

**US STEM CELL CLINIC, LLC, a Florida
limited liability company,
US STEM CELL, INC., a Florida profit
corporation, and
KRISTIN C. COMELLA and
THEODORE GRADEL, individuals,**

Defendants.

Exhibit "A"

Presiding Judge	Plaintiff's Attorney	Defendant's Attorney
Trial date(s)		

	Def No.	Date Offered	Objections	Marked	Admitted	Description of Exhibits and Witnesses
	1					“Adipose Derived Stem Cell Isolation: A Step-by-Step Guide”, US Stem Cell Clinics
	2					Clzyme AS Webpage Screenshot https://www.vitacyte.com/products/cizyme-collagenase-as/
	3					VitaCyte Certificate of Analysis 2018-03-13
	4					Clzyme AS Product Specification 2016-12-16
	5					VitaCyte Product Insert 2017-01-04
	6					VitaCyte Safety Data Sheet 2016-12-16
	7					VitaCyte Certificate of Origin 2016-12-19
	8					VitaCyte Certificate of Analysis 2016-11-8
	9					U.S. Stemcell Batch Production Record 2015-10-16
	10					Vitacyte Invoice 2017-3-6
	11					Fedex shipment tracking #778582320629
	12		R			Autengruber, A., et al. “Impact of Enzymatic Tissue Disintegration on the Level of Surface Molecule Expression and Immune Cell Function.” <i>European Journal of Microbiology and Immunology</i> , vol. 2, no. 2, 2012, pp. 112–120
	13		R			Bellows, C. F., et al. “Circulation of Progenitor Cells in Obese and Lean Colorectal Cancer Patients.” <i>Cancer Epidemiology Biomarkers & Prevention</i> , vol. 20, no. 11, 2011, pp. 2461–2468
	14		R			Bellows, Charles F., et al. “Influence of BMI on Level of Circulating Progenitor Cells.” <i>Obesity</i> , vol. 19, no. 8, 2011, pp. 1722–1726
	15		R			Benoit, Eric, et al. “Safety and Efficacy of Autologous Cell Therapy in Critical Limb Ischemia: A Systematic Review.” <i>Cell Transplantation</i> , vol. 22, no. 3, 2013, pp. 545–562
	16		R			Berman, Mark, and Elliot Lander. “A Prospective Safety Study of Autologous Adipose-Derived Stromal Vascular Fraction Using a Specialized Surgical Processing System.” <i>The American Journal of Cosmetic Surgery</i> , vol. 34, no. 3, 2017, pp. 129–142

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	17		R			Bhansali, Anil, et al. "Efficacy and Safety of Autologous Bone Marrow-Derived Stem Cell Transplantation in Patients with Type 2 Diabetes Mellitus: A Randomized Placebo-Controlled Study." <i>Cell Transplantation</i> , vol. 23, no. 9, 2014, pp. 1075–1085
	18		R			Birbrair, Alexander, et al. "Pericytes at the Intersection between Tissue Regeneration and Pathology: Figure 1." <i>Clinical Science</i> , vol. 128, no. 2, 2015, pp. 81–93
	19		R			Birbrair, Alexander, et al. "Role of Pericytes in Skeletal Muscle Regeneration and Fat Accumulation." <i>Stem Cells and Development</i> , vol. 22, no. 16, 2013, pp. 2298–2314
	20		R			Black LL, et al. "Effect Of Adipose-Derived Mesenchymal Stem and Regenerative Cells on Lameness in Dogs with Chronic Osteoarthritis of The Coxofemoral Joints: A Randomized, Double-Blinded, Multicenter, Controlled Trial." <i>Vet Ther.</i> 2007 Winter;8(4):272-84
	21		R			Chang, Hak, et al. "Safety of Adipose-Derived Stem Cells and Collagenase in Fat Tissue Preparation." <i>Aesthetic Plastic Surgery</i> , vol. 37, no. 4, 2013, pp. 802–808
	22		R			Coelho, Marisa, et al. "State of the Art Paper Biochemistry of Adipose Tissue: an Endocrine Organ." <i>Archives of Medical Science</i> , vol. 2, 2013, pp. 191–200
	23		R			Crisan, Mihaela, et al. "A Perivascular Origin for Mesenchymal Stem Cells in Multiple Human Organs." <i>Cell Stem Cell</i> , vol. 3, no. 3, 2008, pp. 301–313
	24		R			Fraser, John K., et al. "Fat Tissue: an Underappreciated Source of Stem Cells for Biotechnology." <i>Trends in Biotechnology</i> , vol. 24, no. 4, 2006, pp. 150–154
	25		R			Fu, Su, et al. "Fate of Adipose-Derived Stromal Vascular Fraction Cells after Co-Implantation with Fat Grafts." <i>Plastic and Reconstructive Surgery</i> , vol. 132, no. 2, 2013, pp. 363–373
	26		R			Gimble, Jeffrey M., et al. "Adipose-Derived Stem Cells for Regenerative Medicine." <i>Circulation Research</i> , vol. 100, no. 9, 2007, pp. 1249–1260

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	27		R			Gittel, Claudia, et al. "Isolation of Equine Multipotent Mesenchymal Stromal Cells by Enzymatic Tissue Digestion or Explant Technique: Comparison of Cellular Properties." <i>BMC Veterinary Research</i> , vol. 9, no. 1, 2013, p. 2211
	28		R			Guo, James, et al. "Stromal Vascular Fraction: A Regenerative Reality? Part 1: Current Concepts and Review of the Literature." <i>Journal of Plastic, Reconstructive & Aesthetic Surgery</i> , vol. 69, no. 2, 2016, pp. 170–179
	29		R			Guo, James, et al. "Stromal Vascular Fraction: A Regenerative Reality? Part 2: Mechanisms of Regenerative Action." <i>Journal of Plastic, Reconstructive & Aesthetic Surgery</i> , vol. 69, no. 2, 2016, pp. 180–188
	30		R			Hardy, W. Reef, et al. "Transcriptional Networks in Single Perivascular Cells Sorted from Human Adipose Tissue Reveal a Hierarchy of Mesenchymal Stem Cells." <i>Stem Cells</i> , vol. 35, no. 5, 2017, pp. 1273–1289
	31		R			Hematti, Peiman, and Armand Keating. "Mesenchymal Stromal Cells in Regenerative Medicine: A Perspective." <i>Mesenchymal Stromal Cells</i> , 2012, pp. 3–16
	32		R			Hindle, Paul, et al. "The Infrapatellar Fat Pad as a Source of Perivascular Stem Cells with Increased Chondrogenic Potential for Regenerative Medicine." <i>STEM CELLS Translational Medicine</i> , vol. 6, no. 1, 2016, pp. 77–87
	33		R			Kershaw, Erin E., and Jeffrey S. Flier. "Adipose Tissue as an Endocrine Organ." <i>The Journal of Clinical Endocrinology & Metabolism</i> , vol. 89, no. 6, 2004, pp. 2548–2556
	34		R			Kilinc, Mehmet Okyay, et al. "The Ratio of ADSCs to HSC-Progenitors in Adipose Tissue Derived SVF May Provide the Key to Predict the Outcome of Stem-Cell Therapy." <i>Clinical and Translational Medicine</i> , vol. 7, no. 1, 2018

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	35		R			Kim, Eo Jin, et al. "Platelet-Derived Growth Factor Receptor-Positive Pericytic Cells of White Adipose Tissue from Critical Limb Ischemia Patients Display Mesenchymal Stem Cell-Like Properties." <i>Clinics in Orthopedic Surgery</i> , vol. 9, no. 2, 2017, p. 239
	36		R			Kitagawa, Y., M. Kobori, and K. Toriyama. "History of discovery of human adipose-derived stem cells and their clinical application." <i>Japanese Journal of Plastic and Reconstructive Surgery</i> , 49.10, 2006, pp.1097-1104
	37		R			Kokai, Lauren E., et al. "Adipose Stem Cells: Biology and Clinical Applications for Tissue Repair and Regeneration." <i>Translational Research</i> , vol. 163, no. 4, 2014, pp. 399–408
	38		R			Liebermann-Meffert, Dorothea. "The Greater Omentum." <i>Surgical Clinics of North America</i> , vol. 80, no. 1, 2000, pp. 275–293
	39		R			Lockhart, Ryan A, and Cloe S. Hakakian. "Tissue Dissociation Enzymes for Adipose Stromal Vascular Fraction Cell Isolation: A Review." <i>Journal of Stem Cell Research & Therapy</i> , vol. 5, no. 12, 2015
	40		R			Ma, Xiang-Rui, et al. "Transplantation of Autologous Mesenchymal Stem Cells for End-Stage Liver Cirrhosis: A Meta-Analysis Based on Seven Controlled Trials." <i>Gastroenterology Research and Practice</i> , vol. 2015, 2015, pp. 1–10
	41		R			Merfeld-Clauss, Stephanie, et al. "Adipose Stromal Cells Differentiate Along a Smooth Muscle Lineage Pathway Upon Endothelial Cell Contact via Induction of Activin A." <i>Circulation Research</i> , vol. 115, no. 9, 2014, pp. 800–809
	42		R			Merfeld-Clauss, Stephanie, et al. "Adipose Tissue Progenitor Cells Directly Interact with Endothelial Cells to Induce Vascular Network Formation." <i>Tissue Engineering Part A</i> , vol. 16, no. 9, 2010, pp. 2953–2966

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	43		R			Mizuno, Hiroshi, and Hiko Hyakusoku. "Fat Grafting to the Breast and Adipose-Derived Stem Cells: Recent Scientific Consensus and Controversy." <i>Aesthetic Surgery Journal</i> , vol. 30, no. 3, 2010, pp. 381–387
	44		R			Mohammadi, Rahim, et al. "Nonexpanded Adipose Stromal Vascular Fraction Local Therapy on Peripheral Nerve Regeneration Using Allografts." <i>Journal of Investigative Surgery</i> , vol. 29, no. 3, 2015, pp. 149–156
	45		R			Sakaguchi, Y. "Suspended Cells from Trabecular Bone by Collagenase Digestion Become Virtually Identical to Mesenchymal Stem Cells Obtained from Marrow Aspirates." <i>Blood</i> , vol. 104, no. 9, 2004, pp. 2728–2735
	46		R			Shah, Forum S., et al. "A Non-Enzymatic Method for Isolating Human Adipose Tissue-Derived Stromal Stem Cells." <i>Cytotherapy</i> , vol. 15, no. 8, 2013, pp. 979–985
	47		R			Sumi, Makoto, et al. "Transplantation of Adipose Stromal Cells, but Not Mature Adipocytes, Augments Ischemia-Induced Angiogenesis." <i>Life Sciences</i> , vol. 80, no. 6, 2007, pp. 559–565
	48		R			Sun, Xiuqin, et al. "Meta-analysis on autologous stem cell transplantation in the treatment of limb ischemic." <i>International journal of clinical and experimental medicine</i> , vol. 8.6, 2015, pg. 8740
	49		R			Banaszak, Mark, et al. "The FDA Wants to Regulate Your Cells." <i>Wall Street Journal</i> , 8 Aug. 2012.
	50		R			Toplu, Gaye, et al. "Adipose Tissue-Derived Stromal Vascular Fraction Increases Osteogenesis in an Experimental Design Zygomatic Bone Defect Model." <i>Journal of Craniofacial Surgery</i> , vol. 28, no. 8, 2017, pp. 2179–2182
	51		R			Traktuev, Dmitry O., et al. "A Population of Multipotent CD34-Positive Adipose Stromal Cells Share Pericyte and Mesenchymal Surface Markers, Reside in a Periendothelial Location, and Stabilize Endothelial Networks." <i>Circulation Research</i> , vol. 102, no. 1, 2008, pp. 77–85

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	52		R			Traktuev, Dmitry O., et al. "Robust Functional Vascular Network Formation In Vivo by Cooperation of Adipose Progenitor and Endothelial Cells." <i>Circulation Research</i> , vol. 104, no. 12, 2009, pp. 1410–1420
	53		R			Pham, Phuc Van. "Clinical Trials for Stem Cell Transplantation: When Are They Needed?" <i>Stem Cell Research & Therapy</i> , vol. 7, no. 1, 2016
	54		R			Comella, Kristin, et al. "First-in-Man Intravenous Implantation of Stromal Vascular Fraction in Psoriasis: a Case Study." <i>International Medical Case Reports Journal</i> , Volume 11, 2018, pp. 59–64
	55		R			Comella, Kristin, and Walter Bell. "First-in-Man Intraglandular Implantation of Stromal Vascular Fraction and Adipose-Derived Stem Cells plus Platelet-Rich Plasma in Irradiation-Induced Gland Damage: a Case Study." <i>International Medical Case Reports Journal</i> , Volume 10, 2017, pp. 295–299
	56		R			Comella, Kristin, and David Ikudayisi. "Injection of Stromal Vascular Fraction Plus Platelet-Rich Plasma in a Non-Healing Decubitus Ulcer." <i>Journal of Medical Cases</i> , vol. 9, no. 10, 2018, pp. 323–327
	57		R			Comella, Kristin, et al. "Intra-Articular Implantation of Stromal Vascular Fraction Plus Platelet Rich Plasma in a Degenerative Meniscal Injury." <i>Journal of Medical Cases</i> , vol. 9, no. 7, 2018, pp. 221–225
	58		R			Comella, Kristin, et al. "Safety Analysis of Autologous Stem Cell Therapy in a Variety of Degenerative Diseases and Injuries Using the Stromal Vascular Fraction." <i>Journal of Clinical Medicine Research</i> , vol. 9, no. 11, 2017, pp. 935–942
	59		R			Comella, Kristin, et al. "Autologous Stromal Vascular Fraction in the Intravenous Treatment of End-Stage Chronic Obstructive Pulmonary Disease: A Phase I Trial of Safety and Tolerability." <i>Journal of Clinical Medicine Research</i> , vol. 9, no. 8, 2017, pp. 701–708

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	60		R			Bansal, Himanshu, et al. "Intra-Articular Injection in the Knee of Adipose Derived Stromal Cells (Stromal Vascular Fraction) and Platelet Rich Plasma for Osteoarthritis." <i>Journal of Translational Medicine</i> , vol. 15, no. 1, 2017
	61		R			Comella, K., et al. "Effects of the Intramyocardial Implantation of Stromal Vascular Fraction in Patients with Chronic Ischemic Cardiomyopathy." <i>Journal of Translational Medicine</i> , vol. 14, no. 1, 2016
	62		R			Comella, Kristin, et al. "Effects of the Intradiscal Implantation of Stromal Vascular Fraction plus Platelet Rich Plasma in Patients with Degenerative Disc Disease." <i>Journal of Translational Medicine</i> , vol. 15, no. 1, 2017
	63		R			Parcero, Juan J, et al. "Autologous Adipose-Derived Stromal Stem Cell Implantation to Resolve Critical Limb Ischemia: Case Report." <i>Cureus</i> , 2014
	64					<i>Curriculum Vitae</i> of Elliot B. Lander, MD, FACS
	65		A,R,H,UP			Electronic Business Record, "Improving the lives of patients with regenerative medicine", https://usstemcellclinic.com/testimonials
	66		A,R,H,UP			Electronic Business Record- Paul M. Video Testimonial https://usstemcellclinic.com/testimonials
	67		A,R,H,UP			Electronic Business Record- Carol G. Video Testimonial https://usstemcellclinic.com/testimonials
	68		A,R,H,UP			Electronic Business Record- Donald P. Video Testimonial https://usstemcellclinic.com/testimonials
	69		A,R,H,UP			Electronic Business Record- Greg B. Video Testimonial https://usstemcellclinic.com/testimonials
	70		A,R,H,UP			Electronic Business Record- Jim J. Video Testimonial https://usstemcellclinic.com/testimonials
	71		A,R,H,UP			Electronic Business Record- John S. Video Testimonial https://usstemcellclinic.com/testimonials

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	72		A,R,H,UP			Electronic Business Record- Lem B. Video Testimonial https://usstemcellclinic.com/testimonials
	73		A,R,H,UP			Electronic Business Record- Linda C. Video Testimonial https://usstemcellclinic.com/testimonials

WITNESSES

Name & Address	Will Testify Or May Testify	Area Of Testimony
Kristin Comella 1290 Weston Road, Suite 203a Weston, FL 33326	Will testify.	Dr. Comella will testify about the SVF Surgical Procedure.
Elliot Lander 72780 Country Club Drive, Building C, Suite 301 Rancho Mirage, CA 92270	Will testify.	Dr. Lander will testify about the SVF Surgical Procedure and the scientific literature concerning SVF.
Mike Tomas 1290 Weston Road, Suite 203a Weston, FL 33326	May testify.	Mr. Tomas may testify about US Stem Cell, Inc. a defendant.
Antonio Blanco 1290 Weston Road, Suite 203a Weston, FL 33326	May testify.	Dr. Blanco may testify about the SVF Surgical Procedure and US Stem Cell Clinic, LLC.
Michelle Parlo 1290 Weston Road, Suite 203a Weston, FL 33326	May testify.	Ms. Parlo may testify about the SVF Surgical Procedure and US Stem Cell Clinic, LLC.
Dr. William Murphy, Jr. 1290 Weston Road, Suite 203a Weston, FL 33326	May testify.	Dr. Murphy may testify about US Stem Cell, Inc. a defendant.
Patient 1	May testify.	Patient 1 may testify about their history and their SVF Surgical Procedure(s) and the benefits obtained.
Patient 2	May testify.	Patient 2 may testify about their history and their SVF Surgical Procedure(s) and the benefits obtained.
Patient 3	May testify.	Patient 3 may testify about their history and their SVF Surgical Procedure(s) and the benefits obtained.