

D. Elizabeth McCord, Ph.D., FAPWACA
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Biography for D. Elizabeth McCord, Ph.D., FAPWACA

For almost three decades, Dr. McCord has dedicated her life to the research and development of products that improve the quality of life for others. She has approached this goal from the perspective of being both a scientist and a cancer patient.

Dr. McCord received her first patent in 1993. The patent and the products she developed were immediately licensed to one of the country's premier wound care companies. Her second patent was awarded in 1997. Today these products enjoy the dominant position in the medical marketplace. Dr. McCord's work has advanced skin and wound care due to her proprietary formulations of potent small molecules that have provided therapeutic support for diseased skin. In 2014, she was granted 8 new patents concerning skin and wound care as well as nutrition. Moreover, Dr. McCord holds 12 patents pending in the fields of cancer and lung inflammation.

Her revolutionary work has led to global recognition in the field of skin and wound repair and her mission remains to improve the quality of life for people in every country of the world.

Professional Titles:

McCord Research, Inc.
Founder, CEO, CSO
1992 - Present

Pinnaclife, Inc.
Founder & CEO

2009 - Present

Qwest Chemical
Founder & CEO
2004 - Present

Buruli Ulcer Foundation
Founder & CEO
2008 - 2114

Product Lines with Proprietary Technologies Researched and Developed Exclusively by Darlene McCord

Restore Line for Hollister, Inc.

Cavalon for 3M, Inc.

Remedy with Olivamine for Medline Industries, Inc.

Olivamine Professional Nutritional Supplements for PinnacLife, Inc.

PinnacLife Animal Health Line for PinnacLife, Inc.

PinnacLife Skin Care Asia for Edsel Health, AU

Viniferamine for McCord Holdings, Inc.

AtHome Viniferamine joint opportunity with Product Qwest

PrimaGuard for First Choice Medical Supply

Professional Associations

Fellow Professional American Wound Care Association

Patents

Skin therapeutic mixture containing cold-processed aloe vera extract, with yellow sap and aloin removed

Inventor: D.Taylor-McCord

Date Issued: November 30, 1993

US Patent 5,266,318

Wound therapeutic mixture containing medical grade hyaluronic acid and tissue culture grade plasma-fibronectin in a delivery system that creates a moist environment which stimulates in utero healing

Inventor: D.Taylor-McCord

Date Issued: February 18, 1997

US Patent 5,604,200

Nutritional Supplements

Abstract: A process for improving the health of a subject, the process comprising orally administering a composition comprising hydroxytyrosol to the subject to provide the subject with a daily dose of about 0.1 to about 750 .mu.g hydroxytyrosol per kg of body weight, and a dietary supplement in dosage unit form for oral administration, the dosage unit form comprising a composition containing about 1 microgram to about 50 milligrams hydroxytyrosol or an ester or salt thereof.

Inventor: Darlene McCord

Filed: August 10, 2010

US Patent Application 20110034519

Compositions and Methods for Wound Care

Abstract: The present disclosure relates to compositions for and methods of repairing the stratum corneum, compositions and methods for inhibiting excessive transepidermal water loss, compositions for and methods of treating skin that is distressed or wounded as a result of a disease or other biological condition or process (as distinguished from wounds resulting from trauma), compositions for and methods of treating chronic wounds, and compositions for the inhibition and treatment of necrosis and extended quiescence that result in cellular necrosis instead of normal proliferation

Inventor: D. McCord

Filed: June 25, 2010

US Patent Application 12/823,567

COMPOSITIONS AND METHODS FOR WOUND CARE

Abstract: The present disclosure relates to compositions for and methods of repairing the stratum corneum, compositions and methods for inhibiting excessive transepidermal water loss, compositions for and methods of treating skin that is distressed or wounded as a result of a disease or other biological condition or process (as distinguished from wounds resulting from trauma), compositions for and methods of treating chronic wounds, and compositions for the inhibition and treatment of

necrosis and extended quiescence that result in cellular necrosis instead of normal proliferation.

Inventor: D. McCord

U.S. - Patented

Filed: June 25, 2010

US Patent Application: 12/823,567

Patent Number: 8,765,794

Issued: July 1, 2014

Canada – Patented

Filed: June 25, 2010

Application Number: 2,764,060

Patent Number: 2,764,060

Issued: August 25, 2015

European Application – Pending

Filed: June 25, 2010

Application Number: 10792731.1

COMPOSITIONS AND METHODS FOR WOUND CARE

Abstract: The present disclosure relates to compositions for and methods of improving wound healing, including compositions for and methods of treating chronic wounds, and compositions for the inhibition and treatment of necrosis and extended quiescence that result in cellular necrosis instead of normal proliferation. The methods for wound healing administer one or more compositions including hydroxytyrosol and oleuropein with cells derived from umbilical cord blood.

Inventor: D. McCord

U.S. - Patented

Filed: March 15, 2013

US Patent Application: 13/832,188

Patent Number: 8,796,315

Issued: August 5, 2014

Philippines – Pending

Filed: March 10, 2014

Application Number: 12014501044

COMPOSITIONS AND METHODS FOR WOUND CARE

Abstract: The present disclosure relates to compositions for and methods of improving wound healing, including compositions for and methods of treating chronic wounds, and compositions for the inhibition and treatment of necrosis and extended quiescence that result in cellular necrosis instead of normal proliferation. The methods for wound healing administer one or more compositions including hydroxytyrosol and oleuropein with cells derived from umbilical cord blood.

Inventor: D. McCord

U.S. – Patented

Filed: July 11, 2014

US Patent Application: 14/328,843

Patent Number: 9,018,237

Issued: April 28, 2015

COMPOSITIONS FOR ANTI-INFLAMMATORY ANTIOXIDANT EFFECTS AND IMPROVED EQUINE RESPIRATORY FUNCTIONS BY SPECIFIC HISTONE DEACETYLASE INHIBITION

Abstract: Compositions comprising LSF compositions and treatment regimens comprising administration of LSF containing compositions are disclosed. Compositions and/or regimens may optionally include the administration of vitamins, minerals, and anti-oxidants. Methods for using these compositions and treatment regimens for treating subjects for diseases, including diseases associated with inflammation and/or oxidative stress, are provided. Various methods for use of the LSF compositions for inhibition of histone deacetylases (HDACs) in various cells, tissues, and/or conditions are also provided.

Inventors: D. McCord, Thomas Karagiannis

U.S. – Pending

Filed: July 8, 2015

US Patent Application: 14/793,839

HYDROXYTYROSOL COMPOSITIONS FOR INDUCTION OF DNA DAMAGE AND CELL DEATH

Abstract: Compositions comprising hydroxytyrosol-containing formulations and treatment regimens comprising hydroxytyrosol and/or oleuropein and chemotherapeutic agents are disclosed. Compositions and/or regimens may optionally include the administration of vitamins, minerals, and anti-oxidants. Methods for using these compositions and treatment regimens for treating subjects for diseases, such as a

malignancy, and for inducing or enhancing angiogenesis, treating or preventing oxidative stress, for treating or preventing high glucose-induced dysfunction, treating or preventing chemotherapy-induced dysfunction, and for improving cell viability are provided. Various methods for use of the hydroxytyrosol compositions for inhibition of lysine specific demethylase 1 (LSD1) in various cancers are also provided.

Inventors: D. McCord, Thomas Karagiannis

U.S. – Patented

Filed: November 27, 2013

US Patent Application: 14/091,742

Patent Number: 9,144,555

Issued: September 29, 2015

Canadian Application – Pending

Filed: November 27, 2013

Application Number: 2,892,375

European Application – Pending

Filed: November 27, 2013

Application Number: 13858012.1

Philippines Application – Pending

Filed: November 27, 2013

Application Number: 1-2015-501055

HYDROXYTYROSOL COMPOSITIONS FOR INDUCTION OF DNA DAMAGE AND CELL DEATH

Abstract: Compositions comprising hydroxytyrosol-containing formulations and treatment regimens comprising hydroxytyrosol and/or oleuropein and chemotherapeutic agents are disclosed. Compositions and/or regimens may optionally include the administration of vitamins, minerals, and anti-oxidants. Methods for using these compositions and treatment regimens for treating subjects for diseases, such as a malignancy, and for inducing or enhancing angiogenesis, treating or preventing oxidative stress, for treating or preventing high glucose-induced dysfunction, treating or preventing chemotherapy-induced dysfunction, and for improving cell viability are provided. Various methods for use of the hydroxytyrosol compositions for inhibition of lysine specific demethylase 1 (LSD1) in various cancers are also provided.

Inventors: D. McCord, Thomas Karagiannis

U.S. – Pending

Filed: August 11, 2015

Application Number: 14/823,028

NUTRITIONAL SUPPLEMENTS

Abstract: A process for improving the health of a subject, the process comprising orally administering a composition comprising hydroxytyrosol to the subject to provide the subject with a daily dose of about 0.1 to about 750 µg hydroxytyrosol per kg of body weight, and a dietary supplement in dosage unit form for oral administration, the dosage unit form comprising a composition containing about 1 microgram to about 50 milligrams hydroxytyrosol or an ester or salt thereof.

Inventor: D. McCord

U.S. – Patented

Filed: August 10, 2010

Application Number: 12/853,908

Patent Number: 8,809,311

Issued: August 19, 2014

Canada – Patented

Filed: August 10, 2010

Application Number: 2,769,819

Patent Number: 2,769,819

Issued: July 21, 2015

European Application – Pending

Filed: August 10, 2010

Application Number: 10808641.4

NUTRITIONAL SUPPLEMENTS

Abstract: A process for improving the health of a subject, the process comprising orally administering a composition comprising hydroxytyrosol to the subject to provide the subject with a daily dose of about 0.1 to about 750 µg hydroxytyrosol per kg of body weight, and a dietary supplement in dosage unit form for oral administration, the dosage unit form comprising a composition containing about 1 microgram to about 50 milligrams hydroxytyrosol or an ester or salt thereof.

Inventor: D. McCord

U.S. - Patented

Filed: July 14, 2014
Application Number: 14/330,070
Patent Number: 9,289,401
Issued: March 22, 2016

OLIVAMINE-INDUCED IMPROVEMENT IN ENDOTHELIAL CELLS VIABILITY AND FUNCTION

Abstract: The present disclosure relates to compositions for and methods of improving wound healing, including compositions for and methods of treating chronic wounds, and compositions for the inhibition and treatment of necrosis and extended quiescence that result in cellular necrosis instead of normal proliferation. The compositions include hydroxytyrosol, oleuropein, or a combination of hydroxytyrosol and oleuropein with endothelial cells. The invention further encompasses methods involving administration of these compositions.

Inventor: D. McCord

U.S. - Pending
Filed: June 5, 2015
Application Number: 14/731,441

Selected Scientific Publications

The Selection of Skin Care Products for Use in Hyperbaric Chamber May Depend on Flammability Acceptability Indices Score

McCord, D. E. PhD, FAPWCA; Newton, Barry E. BSME, PE; Fore, Jane MD, FAPWCA, CCWS; Chiffolleau, Gwenael PhD *Advances in Skin & Wound Care* . 21(2):79-84, 2008.

Using Olivamine-Containing Products to Reduce Pruritic Symptoms Associated With Localized Lymphedema

McCord, D. PhD, FAPWCA; Fore, Jane MD, CCWS, FAPWCA *Advances in Skin & Wound Care*. 20(8):441-446, 2007.
doi: 10.1097/01.ASW.0000284921.92802.7b

Understanding the Pathophysiology of Diabetic Skin May lead to Topical Intervention Resulting in Reduced Wounding and Loss of Limb

McCord, D.E., Ph.D., FAPWCA, Kravitz, Steven R., DPM, FAPWCA

Anatomical and Physiological Basis for Corneotrophic Care of the Skin

Gurll, Nelson J. MD, FACS, FAPWCA; McCord, D. E. PhD, FAPWCA
Advances in Skin & Wound Care. 22(9):402-411, 2009.
doi: 10.1097/01.ASW.0000360259.45722.b3

Topical Micronutrient Products Significantly Reduced Radiation Dermatitis and Improved Patient Quality of Life Scores in a Year-

Over-Year Study of Eighty-Two Patients

Davenport, David E. M.D., FACR, McCord, D., Ph.D., FAPWCA,
Bull, Brenda R.T.(R)(T)

Cell Therapy Products – The New Approach to Tissue Repair

Taylor-McCord D., The Wound Care Institute, Inc.
April/May 1996, Vol. 1 No. 2

Using Olivamine-Containing Products to Reduce Pruritic Symptoms Associated With Localized Lymphedema

McCord, D., PhD, FAPWCA; and Fore, Jane, MD, CCWS, FAPWCA,
Advances in Skin & Wound Care. 2007, Vol. 20, No. 8

The Use of Olivamine* Containing Advanced Skin Care Products During Radiation Therapy.

Davenport, Dave E. MD, Bull, Brenda, RT (R) (T) and McCord, D. Ph.D.
Study #LIT073

Posters

Use of a Skin-Wellness System to Reduce Reportable and Preventable Skin Conditions in a Group Home Setting; Kyle D. Hilsabeck, Michelle Moore, Nancy B. Ray, D. McCord, APWCA conference, Philadelphia 2014

Use of a Skin-Wellness System to Reduce Reportable and Preventable Skin Conditions in a Group Home Setting; Kyle D. Hilsabeck, Michelle Moore, Nancy B. Ray, D. McCord, ICAA conference Orlando 2014

Improving Continuity of Care During Transitions from Institution to Home Using Specialized Skin Care Kits; Kyle Hilsabeck; Nancy Ray; D. McCord, Desert Foot conference, Phoenix 2015

How Viniferamine Small Molecule Technology Improves Outcomes for Diabetic Wound Care Issues; Nancy Ray, Kyle Hilsabeck, D. McCord, Desert Foot conference, Phoenix 2015

Skin-Focused Patient Self-care to Decrease Radiation Dermatitis and Improve Patient Empowerment and Compliance; Nancy B. Ray; Kyle D. Hilsabeck; D. Elizabeth McCord, Best Answer for Cancer conference, San Diego 2016

Targeted Anti-Cancer Therapy Using Olive Polyphenols; Nancy B. Ray, Kyle D. Hilsabeck, Tom C. Karagiannis, D. Elizabeth McCord, Best Answer for Cancer conference, San Diego 2016

Empowering Your Patients: Using Safe Evidence-Based Supplements to Improve the Patient Experience, Kyle D. Hilsabeck, Nancy B. Ray, D. Elizabeth McCord, Best Answer for Cancer conference, San Diego 2016

White Papers

Taking Care of Diabetic Skin and Feet; Supporting Skin Health with Viniferamine® Small Molecule Technology, Nancy B. Ray; D. Elizabeth McCord, WoundSource 2016

Managing Radiation Dermatitis; Supporting Skin Health with Viniferamine® Small Molecule Technology, Nancy B. Ray; D. Elizabeth McCord, WoundSource 2016

Reducing Fungal Skin Infections; Supporting Skin Health with Viniferamine® Small Molecule Technology, Nancy B. Ray; D. Elizabeth McCord, WoundSource 2016

Decreasing Chronic Dry Skin (Xerosis); Supporting Skin Health with Viniferamine® Small Molecule Technology, Nancy B. Ray; D. Elizabeth McCord, WoundSource 2016

Books

Living Well at One Hundred. D. McCord, PhD, FAWPCA, Authorhouse
Bloomington, IN 2009. ISBN 978-1-4490-2030-9.

Presentations

Topical Nutrients for Cell and Skin Health
Medline Training 2007

**Selecting Skin Care Products for Use in Hyperbaric Chamber
Safe Materials For Use in Oxygen Environments**
American College of Hyperbaric Medicine Meeting Jan 2008 Maui

ADVANCED SKIN CARE: Radiotherapeutic Products
Wound, Ostomy and Continence Nurses Society Meeting, Feb 2006

ADVANCED SKIN CARE: Peri-Wound and Beyond
Medline Industries Training Meeting 2008

Corneotherapeutic Skin Treatment
St. Mary's Hospital, Reno NV 2008

**Topical Nutrients for Neonate Skin Health Implications for
Patient Care**
Medline Industries March 23, 2007

Understanding Cell Survival is Crucial to Wound Healing
American Professional Wound Care Association Symposium March 2009

Ichthyosis and Olivamine
University of Iowa, March 15th, 2010, Iowa City, Iowa USA.

Necrosis and Quiescence Implications for Product Development
American Professional Wound Care Association Symposium March 2011

Featured Speaker at Be Your Best: An Optimal Health and Wellness
Conference March 18th, 2011, Coralville, Iowa USA

Necrosis, Apoptosis, Senescence Enlightened
American Professional Wound Care Association Conference,
April 11th, 2011 London, England

The Importance of Cell Death In Skin and Wound Care
"What's New in Skin Protection and Management" Symposium MRI
Conference II, February 11th 2012 Chinese General Hospital and Medical
Center, Philippines

Advancing Standards of Wound Care
Wound Care Center and Institute of Surgery Feb. 2nd, 2012 Quezon City,
Philippines

Skin Protection and Management using Topical Agents
1st Philippine Wound Care Society Annual Convention Feb. 10th 2012,
Manila Philippines

Surgical Wound Healing the Clinical Relevance of Science
Philippines College of General Surgeons Annual Clinical Conference,
December 4th, 2012 Manila, Philippines

Interviews

Book Interview “Living Well at One Hundred”
WUSA-TV CVS Affiliate in Washington DC, November 5th, 2009

Book Chapter from “Living Well at One Hundred”
Ms. Fitness Magazine, Greta Blackburn

“Healthy lifestyle choices for longevity vs traditional medicine choices”
Spry Magazine December 3rd 2009.

Book Interview “Living Well at One Hundred”
Iowa Public Radio, Katharine Perkins, December 18th, 2009

Book Interview “Living Well at One Hundred”
National Public Radio, January 26th, 2010.

Book Interview “Living Well at One Hundred”
www.OnTheHomeStretch.com

Interview “The Wide World of Health” Segment
KSTE talk Sacramento, Carly Nosler CA February 14th, 2010

Prime Time Section “Living to age 100 and beyond”
Chicago Tribune, Jane Adler, Chicago, Illinois March 21, 2010

Book Interview “Living Well at One Hundred”
HealthRadio.net Dr. Derrick DeSilva March 22, 2010

Doctor Radio
XM Satellite Radio, Dr. Michael Perskin April 8th, 2010

“How to Live Cancer-Free”
Web Talk Radio Show, San Francisco, California April 13th, 2010

Book Interview “Living Well at One Hundred”
“Fooding Around” Radio Show, John Rega, April 14th, 2010

Book Interview “Living Well at One Hundred”
WFHG-Tennessee, Barbra McFaddin May 15, 2010

Pinnaclife Supplements, Olivamine, “Living Well at One Hundred”, and Surviving Cancer
Paula Sands Live, Paula Sands Davenport, Iowa, December 11th, 2012.

Philanthropy and Awards James and Darlene McCord

Recognized as one of America’s Top Donors in 2010 in the Chronicle of Philanthropy with donations exceeding \$1 million.

United Nations presentation – Awarding of the Airline Ambassadors “Global Humanitarian Award” with husband, Jim McCord, in 2009, for work on the Buruli Ulcer.

Donated to The University of Iowa Athletics and Biosciences Departments in support of student athletes and research fellowships.

Grants to Independent Labs at Michigan State University and University of Tennessee for Buruli Research

McCord Research Grant to Baker IDI Heart & Diabetes Institute Epigenetic Laboratories, Melbourne, Australia. Tom Karagiannis, Ph.D. Head Researcher.

Kennick Society University of Iowa, 2008 - present

Presidents Club University of Iowa highest honors. 2008 - present

Philanthropy and Awards Darlene McCord

Phillipine College of Surgeons Certificate of Appreciation
Speaker during Plenary Session on “Surgical Wound Healing: The Importance of Science”
Mandaluyong City, Phillipines
December 4, 2012

Phillipine College of Surgeons Plaque of Appreciation
Guest Speaker at 68th Annual Clinical Congress
Mandaluyong City, Phillipines
December 4th, 2012

Wound Care Center and Institute of Surgery
St. Luke’s Medical Center, Quezon City, Phillipines
Certificate of Appreciation (Symposium Speaker)
February 8, 2012

Phillipine Wound Care Society Certificate of Appreciation (for speaking and expertise)

“Skin Protection and Management Using Topical Agents”

1st Wound Care Society Annual Convention

February 10, 2012

Dr. James G. Dy Wound Healing and Diabetic Foot Center

Chinese General Hospital and Medical Center, Manila, Phillipines

Plaque of Appreciation (for expertise and speaking)

“What’s New in Skin Protection and Management”

1st Annual Symposium

MRI Conference II

February 11, 2012

Phillipine Wound Care Society Certificate of Appreciation (for speaking and expertise)

“Genetic and Epigenetic Effects of Hydroxytyrosol Associated with Normal and Diabetic Wound Healing: The Application of Dietary Antioxidants”

Phillipine Wound Care Society 2nd Annual Convention

February 1, 2013

Dr. James G. Dy Wound Healing and Diabetic Foot Center

Chinese General Hospital and Medical Center, Manila, Phillipines

Plaque of Appreciation (for expertise and speaking)

“Application of Dietary Antioxidants: Effects on Normal and Diabetic Wound Healing and Wound Care Management”

2nd Annual Symposium

MRI Conference II

February 2, 2013

Department of Orthopaedic Surgery and Traumatology, Victoriano Luna General Hospital, Armed Forces of the Phillipines Medical Center, Quezon City, Phillipines

Certificate of Appreciation (for speaking and expertise at graduate course

“Current Trends in Wound Management”

March 22, 2013

Department of Orthopaedic Surgery and Traumatology

AFP Medical Center

National Defense and Chairman of Joint Chiefs of Staff- medals