

Brief Background

Dr. Harvey N. Mayrovitz received his graduate training at the University of Pennsylvania and did postdoctoral work at Temple University School of Medicine and the Graduate Hospital in Philadelphia. He also trained at the Medical Faculty and Hospital in Rotterdam and at Delft University in the Netherlands. In 1998 he joined Nova Southeastern University where he is a professor of physiology in the College of Medical Sciences with an additional appointment in the College of Osteopathic Medicine. His research interests include skin physiology, lymphedema, wound healing, and more generally noninvasive clinical and biophysical measurements and processes to aid in diagnosis and therapy. He has authored over 100 full papers in peer-reviewed scientific and clinical journals on these and related areas.

SELECTED PUBLICATIONS DURING DR MAYROVITZ'S TENURE AT NSU (In reverse chronological order)

Mayrovitz HN, Corbitt K, Grammenos A, Abello A, Mammino J (2017)

Skin Indentation Firmness and Tissue Dielectric Constant (TDC) Assessed in Face, Neck and Arm Skin of Young Healthy Women. *Skin Research & Technology* 2017; 23:112 –120

Mayrovitz HN, Grammenos A, Corbitt K, Bartos S (2017)

Age-Related Changes in Male Forearm Skin-to-Fat Tissue Dielectric Constant at 300 MHz. *Clinical Physiology and Functional Imaging* 2017; 37:198–204

Mayrovitz HN (2017)

Blood and Vascular Targets for Electromagnetic Field Dosing

In: *Electromagnetic Field Dosing* Ed. M. Markov, CRC Press, Boca Raton Florida, Ch 12

Mayrovitz HN, Mahtani SA, Pitts E, Michaelos L (2017)

Race-Related Differences in Tissue Dielectric Constant Measured Noninvasively at 300 MHz in Male and Female Skin at Multiple Sites and Depths. *Skin Research and Technology* (in press)

Mayrovitz HN, Weingrad D, Lopez, L (2017)

Tissue Dielectric Constant (TDC) as an Index of Skin Water in Women with and without Breast Cancer: Upper Limb Assessment via a Self-Contained Compact Measurement Device. *Lymphology* (in press)

Mayrovitz HN, Volosko I, Sarkar B, Pandya N. (2017)

Arm, Leg and Foot Skin Water in Persons with Diabetes Mellitus (DM) in Relation to HbA1c Assessed by Tissue Dielectric Constant (TDC) Measured at 300 MHz

J Diabetes Science and Technology (in press)

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Mayrovitz HN, Grammenos A, Corbitt K, Bartos S. (2016)

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Electromagnetic Fields for Soft Tissue Wound Healing (Ch 15, pp231-251)

In: *Electromagnetic Fields in Biology and Medicine*, ed M. Markov CRC Press, ISBN 9781482248500

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Assessing free and bound water in skin at 300MHz using tissue dielectric constant measurements with the MoistureMeterD in: *Lymphedema: Presentation, Diagnosis and Treatment*

Ed.: Greene AK, Brorson H & Slavin SA, Springer, Chapter 13, pp 133-148

Mayrovitz HN, Weingrad DN, Lopez L (2015)

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Mayrovitz HN, Weingrad DN, Davey S (2014)

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BOOK CHAPTERS DURING DR MAYROVITZ'S TENURE AT NSU

Mayrovitz HN 2017

Blood and Vascular Targets for Electromagnetic Field Dosing

In: Electromagnetic Field Dosing Ed. M. Markov, CRC Press, Boca Raton Florida, Ch 12

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Electromagnetic Fields for Soft Tissue Wound Healing

In: Electromagnetic Fields in Biology and Medicine, ed M. Markov CRC Press,
ISBN 9781482248500 (Ch 15, pp231-251)

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Assessing free and bound water in skin at 300MHz using tissue dielectric constant measurements with the MoistureMeterD

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Compression Therapy

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