

References



Pre-Conference Course on Electrosmog & Electrotherapeutics 101



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EMF Medical Conference 2021

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Introduction

This pre-conference course consists of six 40-minute lectures (4 hours and 4 CME) and two hour-long Q&A sessions.

Friday Oct 23, 2020

Lecture 1: Introduction: The Big Picture
Lecture 2: Radio Frequency Radiation & 5G
Lecture 3: Extremely Low Frequency Electromagnetic Fields
Q&A #1

Saturday Oct 24, 2020

Lecture 4: Dirty Electricity & Power Quality
Lecture 5: Ground Current Pollution
Lecture 6: Electrotherapy | Frequency Therapy
Q&A #2

Instructor Background Information

Dr. Magda Havas has been doing research on the biological effects of electromagnetic fields since 1995 (past 25 years) and taught several courses on this topic to undergraduate university students. She has published extensively in peer-reviewed journals and has given more than 300 lectures globally with many of the talks to audiences consisting of medical doctors and health care providers. She is internationally recognized as an expert in this field.

Key concepts of each lecture

In this course, the audience is exposed to the different sources of electromagnetic frequencies and how they interact. This includes anthropogenic sources of electromagnetic pollution

(lectures 2 to 5) & electrotherapy (lecture 6), as well as natural physical sources generated by the earth and the cosmos (lecture 1) and electromagnetic frequencies within living organisms (lectures 1 and 6).

Characteristics of the electromagnetic spectrum as they relate to living organisms is described in detail and a brief historical overview is provided for the various devices that emit electromagnetic fields (EMF) and electromagnetic radiation (EMR).

The different types of electrosmog are broken down into 4 categories, namely radio frequency radiation, extremely low frequency electromagnetic fields, power quality and ground current pollution and these are each discussed in a 40-minute lecture. The information provided relates to home environments, schools and occupational settings and includes smart meters/appliances, cordless phones, WiFi, home security systems, wireless wearables, cell towers, radar and broadcast antennas. Limited information is provided about 5G technology and the introduction of millimeter waves (mmW). Guidelines for EMFs and RFR in various countries is compared. Key peer-reviewed studies are presented as well as some clinical studies. Ways to minimize exposure is summarized.

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Below references are provided for each lecture in the Pre-Conference Course.

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