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How AI Will Transform Breast Cancer Detection and Treatment: 7 Examples

Healthcare represents one of the greatest opportunities to develop and apply artificial intelligence at scale. And within healthcare, Breast Cancer is widely recognized as one of the top short term opportunities for practical and high-impact applications of A.I., allowing healthcare professionals to detect and treat breast cancer earlier, more accurately (i.e. with less 'false negatives' and 'false positives'), and in more cost effective ways. This will soon translate into great benefits for patients, doctors and healthcare systems across the world.

But how and where can the industry develop and apply state-of-the-art A.I. for breast cancer? In this presentation we'll share our perspective and vision for this field, walking through 7 concrete examples of practical applications of Deep Learning (including CNN's, NLP and RNN's) that can transform breast cancer diagnosis and treatment.

Biography

Mario Lois is the Global Head & Senior Director of A.I./Intelligent Solutions for GE Healthcare Women's Health business. In this role Mario leads GE Healthcare's global strategy and efforts to develop and apply Artificial Intelligence (AI) into world-class solutions that improve screening, diagnosis and treatment of Breast Cancer (the most common cancer among women).

Mario brings a wealth of experience with a solid background across science, clinical applications, product management and business leadership.

He started his career in 1998 in the ultrasound diagnostic imaging industry, mainly focused on advanced image analysis and quantification technologies at HP Medical and Philips Healthcare global headquarters in Andover, MA (US).

Mario joined GE in 2003, and since then has held various leadership roles at global and European level, including Europe General Manager for Vscan, EMEA Business/Product Manager for Compact Echocardiography, Global Director of Product Management, etc. More recently, in his prior role as Global General Manager for GE Healthcare Education Services, he established the team and strategy to transform and digitize GE Healthcare's customer education solutions, developing new digital platforms and innovative data-driven analytics for equipment utilization and outcomes optimization.

Mario holds an advanced degree in Theoretical Physics from Universidad Autonoma in Madrid (Spain), a certificate in Strategic Management from Harvard University in Cambridge, MA (US), and a recent specialization in Deep Learning from Dr. Andrew Ng's Deeplearning.ai.

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