Carlo Martinoli earned his medical degree in 1986 from the University of Genoa and specialised in diagnostic radiology at the University of Cagliari in 1989. Currently, he holds significant positions at the University of Genoa as Professor of Radiology and Director of the Postgraduate School of Diagnostic Radiology, in addition to being the Head of the Emergency Radiology Unit at the University-Hospital of Genoa.

With over 25 years of experience, Martinoli has devoted himself to educating others in musculoskeletal radiology. His 2007 textbook, "Ultrasound of the Musculoskeletal System," has become a global benchmark. He has published over 322 peer-reviewed papers in international medical journals, earning him an outstanding H-index (>60) and recognition as one of the top 1.5% international scientists (Plos Biology®).

Renowned as an engaging speaker, Martinoli has delivered over a thousand invited lectures worldwide, leaving a lasting impression on audiences. He is sought after as a "Visiting Professor" at 28 universities globally and has been honoured with six distinguished lectureships, including the 25th Annual Barry Goldberg Lecture, the Lambert Lecture, and the Amory Codman Award for Musculoskeletal Imaging.

Martinoli's innovative work includes the development of the HEAD-US system, a global standard for joint screening in haemophilia. This technique, supported by numerous publications, optimises treatment strategies by simplifying monitoring, assessing disease activity, and evaluating damage. This HEAD-US technique has now become a global standard (>150 publications reported in PubMed) for screening joints to detect occult disease activity and recognise early osteochondral damage in patients.

His exceptional contributions have garnered teaching and professional awards, as well as honorary lifetime memberships in esteemed scientific medical societies. Actively involved in various organisations, Martinoli has served on the Executive Committee of the International Skeletal Society (ISS), held key positions in the European Society of Musculoskeletal Radiology (ESSR), and co-founded the International Society of Peripheral Neurophysiological Imaging (ISPNI).