

myDoctorAngel Academy: Multidisciplinary Events for Medical Oncologists and other Specialists Featuring Advanced Technologies

1.1 Topic

The myDoctorAngel aims to revolutionize the field of oncology and chronic care in Switzerland by integrating advanced technologies and wearable devices into the healthcare ecosystem. The myDoctorAngel Academy is a comprehensive educational program seeking to empower doctors with the skills and knowledge needed to implement cutting-edge technological solutions in the clinical practice.

These technologies are intended to elevate the standard of cancer care, driving Swiss medical excellence to new heights. The course of events will cover a variety of topics, such as data analytics in oncology, remote patient monitoring through wearable devices, and the utilization of artificial intelligence for more precise diagnoses and treatment plans.

1.2 Project Leader & Organization

Dr.med. Pereira Mestre Ricardo
Spec. in medical oncology and internal medicine, FMH Member
Chief Medical Officer
myDoctorAngel Sagl: a No-Profit virtual medical center in oncology
Via della Posta 21, 6934 Bioggio, Ticino - Switzerland
Phone: +41(0)79 307 81 25
Mail: ricardo.pereiramestre@mydoctorangel.ch
Website: <https://mydoctorangel.ch/en/>

2 Rationale of the myDoctorAngel Academy

In the swiftly evolving landscape of healthcare, the field of oncology is at the forefront of transformation, characterized by groundbreaking advancements in immunotherapies, targeted treatments, and gene editing. These medical advances bring forth new opportunities for improved patient care but also present intricate challenges for healthcare providers. Given the rapid pace of change, the need for continuous education and training is more crucial than ever.

Not only must healthcare providers stay current on the latest therapeutic options, but they must also adapt to technological advancements revolutionizing the field. The integration of smart technology and wearables has become increasingly pivotal in patient monitoring and treatment, particularly in oncology. Real-time data collected by these devices can flag critical changes in a patient's condition, enabling timely interventions that can significantly influence outcomes. These technological tools offer healthcare providers new avenues for effective and immediate decision-making, but their use also demands a specialized skill set that traditional educational approaches may not adequately cover.

This is where the myDoctorAngel Academy comes into play, offering customized, learner-centric educational programs. These courses delve into the practical application of smart technologies, including the use of wearables for real-time monitoring, data interpretation, and the ethical considerations surrounding continuous patient monitoring. But the academy's scope extends beyond technical proficiency; it also covers the soft skills and ethical considerations crucial to comprehensive patient care.

A truly multidisciplinary approach is required to treat the whole person, not just the disease. Holistic treatment, a tenet of modern oncology, demands that healthcare providers are well-versed in a broad spectrum of care aspects, from medical intervention and patient education to psychological support and physical well-being. Cancer treatments often come with physical and emotional challenges that require a multifaceted care strategy to mitigate.

The myDoctorAngel Academy aims to equip healthcare providers with this rounded skill set, emphasizing not just technological and medical aspects of care but also psychological and physical well-being. Such an approach is essential because neglecting any of these elements could lead to incomplete care, potentially affecting patient outcomes negatively. Thus, the academy serves as an indispensable educational platform, uniquely positioning healthcare providers to meet the diverse and ever-evolving needs of oncology patients.

Given the increasing global prevalence of cancer, the complexity of cases, and the rapid integration of technology into healthcare, it's clear that the demands on oncology healthcare providers are escalating. Only through a commitment to continuous, multidimensional education can these professionals stay abreast of both medical and technological advancements, ensuring they are fully prepared to deliver the highest standard of care to their patients. Therefore, the comprehensive, multifaceted training offered by the myDoctorAngel Academy is not just advantageous but essential for any healthcare provider aiming for excellence in oncological care.

3 Aim of myDoctorAngel Academy

The myDoctorAngel Academy course is designed to equip oncologists and other medical doctors with the skills, knowledge, and tools they need to implement a multidisciplinary, tech-enabled approach to oncology care. The focus of the training for doctors is based on the toxicities to oncological treatments and their management. Additionally, the technologies that could help better manage the adverse events to oncological treatments will be illustrated and tested.

4 myDoctorAngel Sagl and Project leader description

As a non-profit organization, myDoctorAngel is committed to spearheading the digital transformation and seamless coordination of community-based oncological services. Our primary emphasis is on pioneering process innovation to optimize patient care and outcomes in oncology. myDoctorAngel Sagl is accredited as a non-profit Virtual Medical Center by the Ufficio di Sanità del Canton Ticino and is recognized by healthcare insurances (with available SASIS concordat number – Vertragsnummer). myDoctorAngel is also an innovative startup creating a center for de-centralized research in Switzerland.

We focus on the digitalization and coordination of medical services, primarily in the realm of oncological care. We aim to revolutionize patient experiences and outcomes through an array of specialized services that include in-depth consultations, multidisciplinary care, advanced remote monitoring, and direct-to-home treatment options in agreement and collaboration with family doctors and medical oncologists/regional public and private Institutions.

We're also unique in our dedication to multidisciplinary approaches involving specialized oncology nurses, physiotherapists and occupational therapist. This allows us to provide a comprehensive wellness profile for each patient, enhancing both the quality of life and the effectiveness of oncological treatments.

The educational project will be led by Dr. med. Pereira Mestre Ricardo, a motivated and committed medical oncologist with special interest in eHealth clinical applications in oncology. He is a Senior consultant and responsible physician of the outpatient service in Mendrisio (Oncology Institute of Southern Switzerland) at 70% and Chief Medical Officer of myDoctorAngel Sagl at 30%. Dr. Pereira Mestre Ricardo received the Sakk Together for Patients Award in 2020 for a project on advanced patient monitoring in oncology, and as a co-applicant, the SAKK AbbVie Award for Digital Innovation in Oncology for creating an AI algorithm to predict outcomes in oncology patients. His research activity is primarily in the field of Genito-Urinary tumors, eHealth, and real-world data collected using wearable devices, with a scope open to all types of cancer and therapies.

Our goal is to improve the quality of life for patients and the management of oncological therapies by enhancing the patient experience as much as possible in the fight against cancer.

5 Detailed description of the educational events

Eligible Participants

The myDoctorAngel Academy events are tailored for Medical oncologists and Internal Medicine specialists but also open to other Medical doctors from different specializations (Cardiology, Pneumology, Neurology and many others).

Course Location

Via della Posta 21, 6934 Bioggio, Ticino – Switzerland

Time Schedule

- Lectures: 18:00 – 20:00
- Standing dinner from 20:00

Course Language

Italian

Course Content (all the events have the same format and only change title and speaker)

Event 1: Overview About Recent Advances in Oncology (2h) – Date: 21.02.2024

Moderator: Dr. med. Ricardo Pereira Mestre

18:00 - 18:30	Introduction to new technologies for the monitoring of complex patients Dr. med. Pereira Mestre Ricardo, internal medicine and medical oncology specialist, moderator of Quality Circles FMH
18:30 - 19:00	Update in Breast Cancer treatment and management Dr.med. Lorenzo Rossi, Medical oncology specialist, Oncology Institute of Southern Switzerland
19:00 - 19:30	Update in Gastro-intestinal Cancers treatment and management PD Dr.med. Sara De Dosso, Medical oncology specialist, Oncology Institute of Southern Switzerland
19:30 – 20:00	Update in Breast Cancer treatment and management Dr.med. Martina Imbimbo, Medical oncology specialist, Oncology Institute of Southern Switzerland
20:00 - 20:05	Conclusion
20:05	Networking Dinner

Event 2: Understanding Adverse Events of Cancer Treatments (2h) – Date: 10.04.2024

- Moderator and speaker: Dr.med. Pereira Mestre Ricardo
- Speakers: 4 Medical oncologists to be defined

This session will focus on the common and rare side effects that can accompany cancer treatments.

Topics covered will include:

- Identification and Monitoring: Best practices for identifying and management of adverse events
- Management and Mitigation: Review of treatments and interventions aimed at minimizing side effects, both pharmacologically and through lifestyle modifications.

Event 3: Exploring the Impact of Comorbidities and Patient Performance Status in Oncological Therapy Management (2h) – Date: 15.05.2024

- Moderator and speaker: Dr.med. Pereira Mestre Ricardo
- Speakers: 4 Medical oncologists to be defined

This event will bring the patient into focus, examining aspects like:

- Understanding comorbidities in oncological patients: An in-depth look at how common comorbid conditions, such as diabetes, cardiovascular diseases, and chronic respiratory conditions, impact oncological treatment strategies.
- Assessing Patient Performance Status: Techniques and tools for evaluating the physical and functional status of oncological patients, which is crucial for tailoring treatment plans and predicting outcomes.
- Personalized Treatment Approaches: How to customize oncological therapies based on the patient's comorbidities and performance status, including adjustments in oncology treatments.

Event 4: Digital Tools for Oncology (2h) – Date: 04.09.2024

- Moderator and speaker: Dr.med. Pereira Mestre Ricardo
- Speakers: 4 Medical oncologists to be defined

This session seeks to acquaint medical oncologists with the most recent advancements in digital technology, such as:

- Wearables: Providers will gain insights into the varieties of biometric data that these devices are capable of gathering and learn strategies for integrating this crucial information into patient care routines, to promote more personalized and responsive care.
- Electronic Patient-Reported Outcomes (ePRO): We will delve into how utilizing ePRO systems can facilitate real-time symptom monitoring and reporting, thereby enabling healthcare providers to make timely, informed interventions to address patients' needs and concerns.
- Remote Diagnostics: The session will explore innovations in remote diagnostic technologies, detailing how they can be leveraged to perform assessments and monitor patients effectively from a distance, ensuring uninterrupted care even when face-to-face consultations are not feasible.

6 Financial Plan

The budget allocation for 4 events is planned as follows:

- Hiring of Lecturers: 15'000 CHF
- Venue, Standing Dinner and Logistics: 10'000 CHF
- Administration and Registration management: 5'000 CHF

Venue:

myDoctorAngel Sagl
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Ticino - Switzerland