



LabVine™

CPD COURSE SUMMARY

2 ETHICS CPD

Candice de Carvalho,
Easy Ethics CPD

S U M M A R Y

2 Ethics CPD points



Pre-recorded video seminar



90 minutes, split into 4 modules



Instant Certificate





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EASY ETHICS CPD
accredited cpd for health providers

TOPIC

CHATBOTS IN MEDICINE AND ETHICAL CONSIDERATIONS

Patients now have the opportunity to interact with Artificial Intelligence through a 'chat bot' interface. Learn about available categories of Chat Bots applied to medicine and discover a framework for analysing these technologies against bioethics principles.

Where digital medical AI, biotechnology and medical devices are concerned, unique ethical dilemmas arise.

These novel interventions 'hold implications for autonomy and informed consent, device-related therapeutic misconceptions, data management, undue influence, privacy and confidentiality and dependability.' (Krugman et al. 2018).

In this e-learning seminar, you will be exposed to the use of AI-powered chat bots in the medical context. These interventions will be examined through the lens of bioethics principles. A case study of psoriatic arthritis is used to test the veracity of these chatbots, specifically from a bioethics point of view.

At Easy Ethics CPD, the aim is not merely to learn about what legal regulations apply. Rather, it is to build the skills necessary to analyse new technologies with an Ethics framework. Indeed, for some of these interventions, legal frameworks have yet to 'catch up' and address the new complexities found therein.

This is where you find the opportunity to apply your mind to the moral and social (public) impact of cutting-edge technologies.

MODULES:**1. INTRODUCTION TO CHAT BOT CATEGORIES**

Learn about the technology that makes Chat Bots capable of diagnosing disease. You will also be exposed to various categories of ChatBots in medicine. In summary, this module covers:

- Industries served;
- NLP;
- how medical chat bots learn and;
- categories of chat bots in medicine.

2. BIOETHICS PRINCIPLES APPLIED TO CHAT BOTS

You will be exposed to the four bioethics principles and a checklist that has been created to analyse the Chat Bot examples that are given. The following principles are reviewed:

- Respect for Autonomy,
- Non-maleficence,
- Beneficence and,
- Justice.

3. CASE STUDY: PSORIATIC ARTHRITIS

In this presentation, a case study and video is shown of four Chat Bots who were tested with the disease: Psoriatic Arthritis. The ethics checklist is applied to the Chat Bots to analyse how robust these Apps are from an ethics point of view.

4. MORAL RESPONSIBILITY AND MEDICAL TECHNOLOGY - BONUS LESSON

In this bonus module, explore the philosophy of consciousness and what makes a moral agent. Find out about the technology ecosystem and discover who may be responsible for the failures of AI technology in medicine.

ABOUT CANDICE DE CARVALHO

Advances in technology in medicine present unique philosophical challenges in healthcare. Candice created Easy Ethics CPD to deliver accredited educational solutions to help medical industry professionals strengthen their preparedness for the innovations that lie ahead.

Candice has experience in delivering CPD ethics talks at conferences. Her greatest passion is to provide the medical fraternity with relevant and engaging ethics content that will both educate and inspire.

Before focusing on ethics, Candice co-founded a digital marketing agency, Phatic Communications, and is interested in new technologies that both improve medical outcomes as well as medical communications.

Candice was selected for the first cohort of FUTURE FEMALES in 2018, beating out over 450 other applicants globally with her new business concept.

Candice holds two Master's Degrees and her Master's research in human genetics studied novel genetic mutations in South African cystic fibrosis patients; and her Masters in applied bioethics reflected on the question: "Who owns your genetic material?"

EDUCATION

- MSc (Med) Human Genetics (University of Witwatersrand, 2008)
- Msc (Med) Bioethics & Health Law (University of Witwatersrand, 2011)

PUBLICATIONS

- "Genetic Ownership and Sharing" - SA Cardiology & Stroke Journal
- "CFTR structural rearrangements are not a major mutational mechanism in black and coloured southern African patients with cystic fibrosis" : scientific letter - South African Medical Journal
- "WGA allows the molecular characterization of a novel large CFTR rearrangement in a black South African cystic fibrosis patient." - The Journal of Molecular Diagnostics

EASY ETHICS CPD

Devoted to excellence in bio-ethics content for the healthcare industry. Special focus: new technologies in medicine.

CONTACT:
Direct mobile: +27 (0) 82 402 5774
6 Bruton Road, Bryanston