# MSc Prehospital Medicine

Adam

## Human Factors

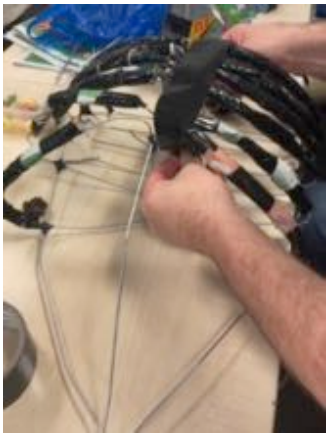

Image demonstrating a practical exercise based on the differing levels of fidelity in healthcare training and how this can impact learning.

This module explored the cognitive and behavioural elements influencing clinical decision-making and teamwork.

The assessment consisted of an 8,000-word portfolio, which critically evaluated case studies based on my own professional experiences and included a recommendation for practice. I wrote about two patients I attended to while volunteering, where human factors influenced my ability to effectively provide treatment. Through this reflection, I considered ways to improve the care provided to these individuals. This has prompted further self-reflection and had a positive impact on my overall practice, helping me understand when human factors can come into play and how I can overcome them to ensure I deliver the highest level of care.

## Simulation and Moulage

The Simulation module emphasised practical applications of clinical skills in high-pressure scenarios, using realistic environments to mirror pre-hospital challenges.

Within this module, I was required to create a simulation for the rest of the cohort to complete. I was randomly allocated topics and areas to base the simulation on. I based my simulation on a patient who attended a Wimbledon Tennis match. In the simulation, the patient had fallen and caused a neck of femur fracture. He refused transport to the hospital as he wanted to see the final match. I simulated the environment outside by playing the sounds of Wimbledon on a speaker. The simulation aimed to demonstrate that when the time pressure of attending to the next patient is removed, more holistic care can be provided. With appropriate analgesia, he was able to see some of the match before being transported onward.

The images below display the simulation I delivered (image 1), a simulation in which I was a patient (image 2) and one of the simulations where I was the clinician, which was a monkeypox outbreak on an aeroplane (image 3).

The assessment consisted of a 6,000-word portfolio based on a simulation I had designed, discussing the methods used and then focusing on a key area of simulation planning, cognitive load. I received my highest mark in my course from this module, which was 84%.

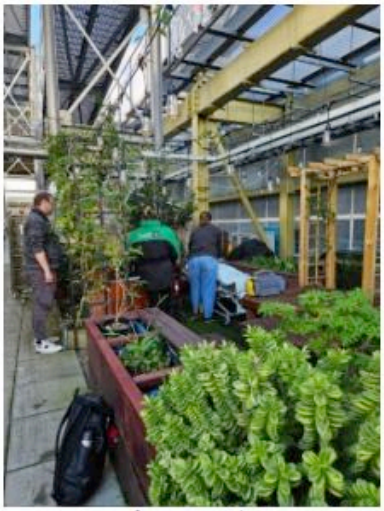

Image 1

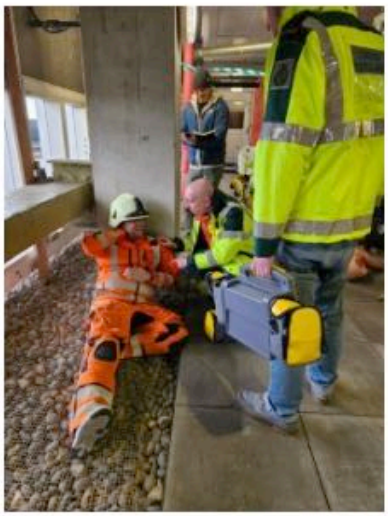

Image 2

Image 3

## Dissertation

We have begun discussing the dissertation topic for the final year of the course. This is a 10,000-word document based on a research question.

I want to focus my topic on diabetes within pre-hospital medicine and the impact of pre-existing conditions on emergency care. This is an area of interest for me as a type one diabetic who had a lot of contact with prehospital clinicians when I was a child. Over the coming weeks, I will meet with the course lead to refine my research question.

The Company of Nurses' support has been vital to this transformative journey. The skills I've gained will enhance my pre-hospital medicine practice. Thank you for investing in my education.