

# Perception of Human-Robot Collaboration with the medical robot Moxi in the opinion of Polish nurses

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## Abstract

**Introduction:** *Technological developments, the resulting progressive robotisation and automation of individual tasks cause that people are increasingly interacting with robots in many contexts. Today, robots are used in many industries and, depending on their specifications, can perform a variety of tasks, including sharing tasks with employees. This makes us notice an increase in the importance of the concept of Human-Robot Interaction in particular in terms of collaboration. Robots can help neutralise some of the problems facing the medical industry, such as productivity and the shortage of nurses. An example of a solution proposed by Diligent Robotics is the Moxi robot, which is designed to help streamline the work of nurses by performing simple routine tasks. So far, it has been implemented in several US hospitals, but the benefits show that it could be used in other countries in the future.*

**Purpose:** *Explore the perception of Human-Robot Collaboration in the workplace using the example of the Moxi medical robot with Polish nurses.*

**Methods:** *Mini Individual In-depth Interview conducted with nurses. The content of the questions was based, including on the construct Technology Acceptance Model (TAM). The interviews were preceded by a questionnaire containing questions from standardised tools: GAToRS and PIIT.*

**Results:** *research in progress.*

**Conclusions:** *The results obtained can serve as valuable information for the management of Polish hospitals in terms of implementing similar robots in the future, but also for robot designers in terms of better adapting certain functionalities.*

**Keywords:** Human Robot Interaction (HRI), Human Robot Collaboration (HRC), robots, nurses, GAToRS, PIIT.