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EDITORIAL

The journal Residência Pediátrica in the Era of Artificial Intelligence

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Now, the term Artificial Intelligence (AI) is gaining wide visibility around the world with positions in favor, highlighting the help that your job provides in carrying out repetitive tasks, and positions against, highlighting the fear of the possibility of job losses, with machines replacing people and ideas. The recent prolonged strike by actors and authors in the United States, resolved only after much discussion and concessions from all parties involved, serves as an example of the potential for social imbalance that AI contains, thus imposing a broad review of its coverage.

To walk alongside our readers and help them make well-founded decisions that may be useful for their professional activities, we bring into focus the basic aspects of using this still controversial tool.

AI should be understood as a field of computer science that focuses on developing algorithms and systems that can perform tasks that would usually require human intelligence. AI is also involved in the use, development and study of machines, devices and computing programs that can, when fully established, reproduce human behavior in decision-making, whether simple or complex, to reduce wear and tear and facilitate work of human beings. In medicine, AI is being used in medical diagnostic protocols and image interpretation, with results that are sometimes more accurate when compared to those of human examiners.

Despite the countless benefits and advances in various areas already made available to the public by AI, the ethical and moral limits of the use of the AI tool have not yet been adequately established, in part due to the prodigious speed with which it develops.

AI programs aimed at facilitating the search, increasing accuracy and reducing the researcher's physical and mental work can be used, for example, to produce increasingly sophisticated scientific articles, to correct grammar and spelling of scientific texts or even to detect plagiarism with immediate practical consequences.

Awakening our readers' interest in AI, in the greatest depth possible, is the obligation of any quality journal today. However, it is equally vital that the need for unassailable ethical and moral standards for those who use the tool stands out, so that its objective is not diverted, and its effects are not harmful.

The Residência Pediátrica magazine remains attentive to the transformations that modernity imposes on medical science and will always provide readers with the *state of the art* on the various topics published.

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