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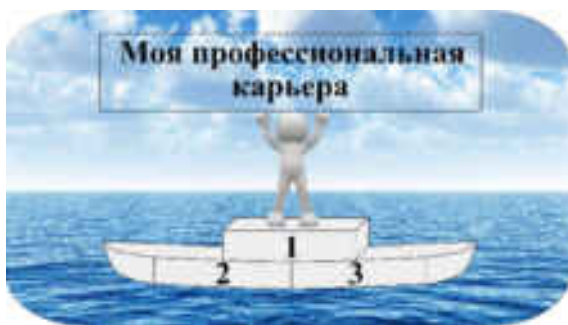


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**Международный научно-образовательный электронный журнал
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СОДЕРЖАНИЕ

Название научной статьи, ФИО авторов	Номер страницы
Гаррыбаев Давут, Хошгельдиев Сулейман, Дурдыев Мухамметназар АНАЛИЗ СКРЫТЫХ КАНАЛОВ УТЕЧКИ ДАННЫХ ЧЕРЕЗ АППАРАТНЫЕ КОМПОНЕНТЫ СМАРТФОНОВ	15
Данатаров Кериммырат, Дурбаев Азиз СРАВНЕНИЕ PYTORCH И TENSORFLOW ПРИ РАЗВЁРТЫВАНИИ МОДЕЛЕЙ В ВЕБ-СЕРВИСАХ	29
Xudoyberdiyeva Nozima, Azizbek Berdiyev, Raximzoda Toxir Erkin MODERN DIAGNOSTIC APPROACHES TO PANCREATIC FISTULAS	34
Чарыева Огулмарал, Джумабаев Шатлык, Ягмыров Довран, Кадыров Абдылджелил ВЛИЯНИЕ ТЕМПЕРАТУРНЫХ РЕЖИМОВ И ПОВЕРХНОСТНОГО ЗАГРЯЗНЕНИЯ НА КПД ФОТОЭЛЕКТРИЧЕСКИХ ПАНЕЛЕЙ	48
Данатаров Кериммырат, Эсенова Майса ИСПОЛЬЗОВАНИЕ ONNX ДЛЯ ПЕРЕНОСИМОГО РАЗВЁРТЫВАНИЯ ML-МОДЕЛЕЙ В PYTHON-СЕРВИСАХ	60
Musurmonov Mehridin Jamoliddin o'g'li, Xamidov Otabek Xayotbek o'g'li MEDICAL DEONTOLOGY IN CONTEMPORARY HEALTHCARE: PRINCIPLES, PROFESSIONAL RESPONSIBILITY, AND EMERGING CHALLENGES	65
Машадова Солтан, Реджепмухаммедов Сулейман, Абдыева Лейли, Языева Чепер ОЦЕНКА ЭЛАСТИЧНОСТИ СПРОСА НА ТОВАРЫ ПЕРВОЙ НЕОБХОДИМОСТИ ПРИ ИЗМЕНЕНИИ ДОХОДОВ НАСЕЛЕНИЯ	76
Мухамметдурдыева Огулсенем, Эрнепесов Максатджан ПРОГНОЗИРОВАНИЕ ВРЕМЕННЫХ РЯДОВ: PROPNET, ARIMA И LSTM	89
Нурмухаммедов Максат, Язлыев Йениш, Бабаева Бибихаджар, Байымова Шемшат АНАЛИЗ ТРАНСАКЦИОННЫХ ИЗДЕРЖЕК В ТРАДИЦИОННОЙ И ЭЛЕКТРОННОЙ РОЗНИЧНОЙ ТОРГОВЛЕ	95
Хезретов Гуванч, Арсланова Оразджемал СРАВНЕНИЕ PANDAS И POLARS ПРИ ОБРАБОТКЕ БОЛЬШИХ МАССИВОВ ДАННЫХ	110

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ABSTRACT

Medical deontology constitutes a fundamental component of professional medical practice and encompasses the duties, professional conduct, interpersonal responsibilities, and moral principles that guide healthcare professionals in their interactions with patients, colleagues, and society. The development of modern medicine has expanded professional responsibility beyond the technical provision of healthcare to include respect for patient autonomy, confidentiality, informed decision-making, dignity, equality, and accountability. This narrative review examines the principal dimensions of contemporary medical deontology, including professional responsibility, doctor–patient communication, confidentiality, informed consent, patient dignity, professional boundaries, multidisciplinary collaboration, and ethical challenges associated with digital technologies and artificial intelligence. The reviewed literature indicates that deontological principles remain closely connected with patient trust, transparent communication, professional accountability, and patient-centered care. Contemporary guidance also emphasizes continuous professional development, respect for human dignity and autonomy, and responsible use of health information and emerging technologies. Medical deontology should therefore be understood not as a static collection of behavioral rules but as a dynamic professional framework whose application evolves with medical science, healthcare organization, law, and technology. Systematic ethical education during undergraduate

training and continuing professional development is important for maintaining high standards of professional conduct.

Keywords: *medical deontology; medical ethics; professional responsibility; doctor–patient relationship; patient autonomy; confidentiality; informed consent; professional conduct; healthcare ethics; patient dignity.*

INTRODUCTION

Medicine is a profession in which scientific knowledge and technical competence are inseparable from moral responsibility. Every clinical encounter involves not only diagnosis and treatment but also communication with a person whose physical condition, psychological state, personal values, and social circumstances may influence the course of care. Professional conduct is therefore an essential dimension of medical competence. Contemporary international professional guidance describes duties toward patients, other health professionals, the profession, and society as integral components of medical ethics [1].

Medical deontology refers to the system of professional duties and behavioral principles that regulate the conduct of healthcare professionals in clinical practice. The term is derived from the Greek concept of “deon,” meaning duty or obligation. In medicine, deontological principles concern responsibilities toward patients, colleagues, healthcare institutions, and society. These principles include respect for human dignity, confidentiality, professional integrity, responsibility for clinical decisions, appropriate communication, and avoidance of unnecessary harm [2,3].

The historical development of medical deontology is closely connected with the evolution of medical ethics. Classical medical traditions emphasized obligations such as beneficence, avoidance of harm, confidentiality, and professional responsibility. The Hippocratic tradition remains historically influential in discussions of professional duties and the moral dimensions of medical practice [4]. Modern deontology incorporates these historical obligations while responding to developments in human rights, biomedical science, healthcare law, and patient autonomy [5].

The relevance of medical deontology has become particularly significant as healthcare systems have become increasingly complex. Modern clinicians work within

multidisciplinary teams, use electronic medical records, communicate through digital technologies, and participate in decisions involving advanced diagnostic and therapeutic procedures. These developments create new questions concerning confidentiality, professional boundaries, informed consent, accountability, and human oversight of technology [1,6].

The objective of this narrative review is to examine the fundamental principles of medical deontology, their historical and contemporary development, and their practical importance in establishing ethical, professional, and patient-centered healthcare relationships.

MATERIALS AND METHODS

This study was conducted as a narrative literature review examining the principles and contemporary applications of medical deontology in healthcare practice. The review focused on professional duties, doctor–patient communication, patient autonomy, confidentiality, informed consent, professional competence, multidisciplinary collaboration, and ethical challenges associated with healthcare technologies.

Relevant literature was identified through biomedical and academic sources, including PubMed/MEDLINE-indexed publications, scholarly books and chapters, professional medical literature, and the World Medical Association’s International Code of Medical Ethics. Search terms included combinations of “medical deontology,” “medical ethics,” “professional responsibility,” “doctor–patient relationship,” “patient autonomy,” “medical confidentiality,” “informed consent,” “professional conduct,” and “healthcare ethics.”

Priority was given to peer-reviewed literature, professional ethical codes, and authoritative guidance. Foundational publications were retained where they provided important historical or conceptual contributions. The retrieved literature was analyzed thematically and organized into the domains of professional duty, patient dignity, autonomy, confidentiality, informed consent, communication, competence, interdisciplinary relationships, and technology-related ethical challenges. Because this

was a narrative rather than systematic review, no formal meta-analysis or quantitative synthesis was performed.

LITERATURE REVIEW

Historical foundations of medical deontology

The ethical foundations of medicine have developed over centuries. Classical medical traditions emphasized obligations such as beneficence, avoidance of harm, confidentiality, and professional responsibility. Historical scholarship on Hippocratic medicine demonstrates that questions of professional ethics and duties were closely connected with the identity and practice of physicians [4].

The concept of deontology was subsequently developed within philosophical ethics, particularly through the work of Immanuel Kant, who emphasized duties, moral obligations, and respect for persons as ends in themselves. Contemporary medical ethics is not limited to philosophical deontology, but the concept of professional duty remains central to healthcare practice [2,3].

Modern medical deontology incorporates historical professional obligations while responding to developments in human rights, biomedical science, healthcare law, and patient autonomy. The contemporary international framework emphasizes respect for dignity and autonomy together with competent, compassionate, honest, and accountable care [1].

Doctor–patient relationship

The doctor–patient relationship represents one of the principal practical domains of medical deontology. Effective clinical communication requires respect, empathy, honesty, appropriate professional boundaries, and attention to the patient’s concerns. Contemporary ethical frameworks place substantial emphasis on the patient’s rights and participation in decisions concerning care [1,5].

Historically, healthcare relationships were frequently characterized by a paternalistic model in which physicians assumed primary responsibility for clinical decisions. Contemporary healthcare increasingly emphasizes patient participation and shared decision-making. Patients should receive understandable information regarding their condition, available treatment options, potential benefits and risks, and reasonable

alternatives. The modern professional relationship therefore requires physicians to combine clinical expertise with respect for patient autonomy rather than treating professional authority as unrestricted authority over the patient [3,5].

Confidentiality and privacy

Confidentiality is a fundamental professional obligation. Information obtained during consultation, examination, diagnosis, and treatment should generally be protected from unauthorized disclosure. Confidentiality supports patient privacy and trust and may encourage patients to provide information that is clinically important [1,7].

Confidentiality is not absolute in every legal and clinical circumstance. Disclosure may be permitted or required with patient authorization, under applicable law, or in circumstances involving serious risks to others. The precise legal requirements vary by jurisdiction, so ethical discussion should be distinguished from country-specific legal advice [1].

The expansion of electronic health records and digital communication has introduced additional challenges. Healthcare professionals must consider data security, appropriate access to records, secure communication, and the risks associated with transmitting sensitive medical information. Contemporary professional ethics therefore extends confidentiality responsibilities into digital environments [1,6].

Informed consent and patient autonomy

Respect for autonomy is a central component of contemporary medical ethics. Informed consent reflects the patient's right to make voluntary decisions concerning medical interventions after receiving relevant information. For consent to be ethically meaningful, the patient should receive adequate information, possess decision-making capacity, and be free from coercion [1,5].

The healthcare professional has a responsibility to communicate information in a manner that the patient can understand rather than merely obtaining a formal signature. Informed consent should therefore be understood as an ongoing communication process rather than solely an administrative procedure. This approach supports transparency and meaningful patient participation in care [1,5].

Professional responsibility and competence

Medical deontology requires healthcare professionals to maintain appropriate professional competence. Scientific knowledge changes continuously, and physicians therefore have an ongoing responsibility to update their knowledge and clinical skills. The World Medical Association's International Code of Medical Ethics explicitly includes continuous learning and maintenance of professional knowledge among physicians' ethical responsibilities [1].

Professional responsibility also includes recognizing personal limitations. When a clinical problem exceeds an individual's competence or available resources, consultation or referral to an appropriately qualified professional may be necessary. Professional integrity further requires accurate documentation, honesty in communication, appropriate use of healthcare resources, independent professional judgment, and avoidance of conflicts of interest that could compromise clinical decisions [1,3].

Ethical relationships among healthcare professionals

Contemporary healthcare is predominantly multidisciplinary. Physicians, nurses, pharmacists, laboratory specialists, radiologists, psychologists, and other professionals frequently participate in the care of the same patient. Deontological principles therefore apply not only to interactions with patients but also to relationships among healthcare professionals.

Respectful communication, appropriate delegation, recognition of professional competence, accurate exchange of clinical information, and constructive management of disagreement contribute to continuity and safety of care. The revised International Code of Medical Ethics also emphasizes respectful and collaborative relationships among physicians and other health professionals [1].

Emerging challenges: digital health and artificial intelligence

Technological development has created new areas of deontological concern. Electronic health records, telemedicine, social media, artificial intelligence, genetic testing, and digital health applications have changed the ways in which healthcare

professionals communicate and make clinical decisions. These developments require established ethical principles to be applied within new technological environments [6].

Recent literature on medical deontology and healthcare technology highlights the need to reconsider professional responsibility as clinical work becomes increasingly supported by artificial intelligence, data analytics, and advanced medical tools [6]. Technology can assist clinical reasoning, but the ethical responsibility for patient care remains connected to professional judgment, transparency, accountability, and appropriate human oversight. The physician should understand the limitations of technological systems and should not treat an automated output as an independent substitute for clinical responsibility [1,6].

RESULTS

The thematic review identified several interconnected principles forming the foundation of contemporary medical deontology: respect for patient dignity, professional responsibility, confidentiality, informed consent, appropriate communication, maintenance of competence, and respectful collaboration with other healthcare professionals. These principles are reflected both in scholarly literature and in international professional guidance [1–6].

Respect for patient dignity emerged as a fundamental principle underlying the therapeutic relationship. Patients should be treated with appropriate respect regardless of diagnosis, socioeconomic circumstances, age, disability, or other personal characteristics. The international professional framework places dignity, autonomy, and patient rights among the central duties of physicians [1].

Effective doctor–patient communication is an important mechanism for developing trust and cooperation. Clear explanations, attentive listening, understandable language, and sensitivity to patient concerns facilitate patient participation and can support the clinical relationship [1,5].

Confidentiality remains a central professional obligation in both traditional and digital healthcare settings. Electronic records and remote communication create additional requirements concerning access control, data protection, and responsible use of patient information [1,6].

The literature also emphasizes informed consent and professional competence. Patients should receive relevant information and participate voluntarily in decisions concerning their care, while healthcare professionals should maintain their knowledge and recognize professional limitations [1,5]. Multidisciplinary cooperation is similarly important because continuity and safety of care depend on accurate communication among professionals [1].

DISCUSSION

The findings indicate that medical deontology remains a fundamental component of professional medical practice despite substantial changes in healthcare technology and organization. The central principles of professional responsibility, respect for patients, confidentiality, autonomy, and appropriate conduct remain relevant across different clinical environments [1,3,6].

One of the important developments in contemporary medical ethics is the increasing recognition of patient autonomy. The traditional paternalistic model has increasingly been supplemented by approaches emphasizing patient participation and shared decision-making. This transition does not eliminate physician responsibility; rather, it requires clinicians to combine professional expertise with respect for the patient's values, preferences, and rights [1,5].

Communication represents a practical mechanism through which many deontological principles are implemented. A technically competent physician may nevertheless encounter difficulties in establishing an effective therapeutic relationship if communication is dismissive or unclear. Conversely, attentive communication can facilitate the exchange of clinically relevant information and improve patient understanding of the proposed plan of care [1].

Confidentiality presents an especially important challenge in modern healthcare because medical information can be accessed, stored, transferred, and analyzed through complex digital systems. Professional responsibility therefore extends beyond avoiding verbal disclosure and includes appropriate management of electronic information, secure communication, and responsible use of digital platforms [1,6].

Another important consideration is the relationship between professional competence and deontological responsibility. Medicine is characterized by continuous scientific development, meaning that professional responsibility cannot be separated from lifelong learning. Continuous professional education is therefore both a clinical and ethical responsibility [1].

The multidisciplinary nature of contemporary healthcare also modifies traditional concepts of professional responsibility. Patient care increasingly depends on cooperation between multiple specialists and healthcare professionals. Respectful communication and accurate information sharing are consequently important components of clinical responsibility [1].

Technological innovation creates further ethical questions. Artificial intelligence and decision-support systems may assist clinicians with diagnostic and therapeutic processes, but responsibility for clinical decisions cannot be transferred automatically to technological systems. Current literature calls for an adaptive approach that integrates technological innovation with human expertise and ethical accountability [6].

PRACTICAL IMPLICATIONS

The reviewed evidence supports several practical priorities for medical education and healthcare organizations. First, deontology should be taught throughout undergraduate and postgraduate medical education rather than as a single isolated topic. Second, communication, informed consent, confidentiality, and professional boundaries should be practiced through case-based learning and clinical simulation. Third, digital ethics should be incorporated into medical curricula, including appropriate handling of electronic records, social media, telemedicine, and artificial intelligence. Finally, institutions should support continuous professional development and clear mechanisms for ethical consultation when difficult clinical situations arise [1,6].

LIMITATIONS

This review has limitations. It is a narrative literature review rather than a systematic review, and therefore it does not provide a reproducible quantitative

estimate of effect or a formal risk-of-bias assessment. The discussion focuses on broad professional and ethical principles and does not attempt to provide a comprehensive analysis of the laws or professional codes of any single country. Future research could use systematic search strategies and comparative analyses of national medical codes to examine how deontological principles are implemented in different healthcare systems.

CONCLUSION

Medical deontology represents an essential foundation of responsible healthcare practice. Its principles extend beyond professional etiquette and encompass fundamental obligations related to patient dignity, autonomy, confidentiality, informed consent, professional competence, communication, and accountability [1,5].

The contemporary physician is required to combine scientific and technical competence with ethical judgment and effective interpersonal communication. Respect for patient autonomy and dignity should coexist with the physician's responsibility to provide accurate information, appropriate clinical recommendations, and competent care. Confidentiality and informed consent remain particularly important in an increasingly digital and technologically advanced healthcare environment [1,6].

Medical deontology should therefore be incorporated systematically into undergraduate medical education, postgraduate training, and continuing professional development. Ethical competence is not acquired solely through theoretical instruction; it develops through reflection, professional experience, role modeling, and consistent application of ethical principles in clinical practice. Strengthening deontological education and adapting professional guidance to technological change can support a healthcare environment in which patients are treated with dignity and healthcare professionals maintain standards of trust, responsibility, and integrity [1,6].

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