



The Role of Ethics Committees in Safeguarding Clinical Research Integrity

Ahmed Khan*

Department of Medical Ethics and Health Policy, Aga Khan University, Karachi, Pakistan

DESCRIPTION

Ethics committees, also known as Institutional Review Boards (IRBs), play a fundamental role in ensuring that clinical research is conducted responsibly, transparently, in alignment with ethical standards. Their function is to safeguard the rights, dignity, welfare of participants while balancing the need for scientific progress. In an era of rapid biomedical advancement and globalized research, the role of ethics committees has become more critical than ever. Their work represents the intersection of science and morality, serving as a gatekeeper against exploitation, misconduct, harm.

The core responsibility of ethics committees is the review and approval of research protocols before studies commence. This review process assesses whether a study's design is scientifically sound, ethically acceptable, legally compliant. A poorly designed study is not only a waste of resources but also an unethical use of participants' time and exposure to risk. By scrutinizing study methodology, ethics committees ensure that research has a genuine potential to generate valuable knowledge, thereby justifying any risks involved.

Informed consent is a cornerstone of ethical research, ethics committees are tasked with ensuring that consent procedures are robust, transparent, culturally sensitive. Committees evaluate whether participants are given adequate information about the study's purpose, procedures, risks, benefits, whether consent is obtained freely without coercion. They also pay close attention to vulnerable populations such as children, prisoners, or economically disadvantaged individuals, where the risk of undue influence is heightened. Ensuring that these groups are not exploited is central to the committee's mandate.

Risk-benefit assessment is another critical function. Ethics committees must determine whether the potential benefits of research outweigh the risks to participants. This involves a nuanced evaluation of not just physical risks, but also psychological, social, economic harms. For example, genetic research may carry implications for privacy and stigmatization that extend beyond individual participants to their families and communities. Ethics committees must anticipate such risks and

ensure appropriate safeguards are in place, such as data confidentiality measures and clear policies on the return of incidental findings.

The composition of ethics committees is designed to promote diverse perspectives. Typically, they include medical professionals, scientists, ethicists, legal experts, laypersons. This multidisciplinary approach ensures that decisions reflect a balance between scientific rigor, ethical reasoning, community values. Lay participation is particularly important, as it grounds the committee's deliberations in the perspectives of ordinary citizens rather than solely academic or clinical elites. This diversity helps to build public trust in the research enterprise.

In recent years, globalization and technological advances have introduced new challenges for ethics committees. Multinational trials often involve multiple regulatory environments and cultural contexts, requiring committees to collaborate across borders. Digital health technologies and big data research pose fresh ethical dilemmas around consent, privacy, data sharing. Ethics committees must adapt by developing new frameworks and expertise to address these evolving challenges. Failure to do so risks undermining both participant protections and scientific credibility.

One common critique of ethics committees is that they can slow down the research process with bureaucratic delays. While efficiency is important, speed should never come at the expense of ethical rigor. Streamlined procedures, harmonized guidelines, the use of technology can help committees operate more efficiently without compromising their protective role. Ultimately, the integrity of clinical research depends on the thoroughness, not the haste, of ethical review.

Transparency and accountability are essential for maintaining public trust in ethics committees. Their decisions must be documented, justified, open to scrutiny. In some countries, ethics committees have faced criticism for corruption, lack of independence, or undue influence from powerful stakeholders. Strengthening governance structures, providing adequate resources, fostering a culture of integrity are essential steps toward ensuring that committees fulfill their mission effectively.

Correspondence to: Ahmed Khan, Department of Medical Ethics and Health Policy, Aga Khan University, Karachi, Pakistan, E-mail: ahmed.khan@akuhealth.pk

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