

“Get the Consent”—Nonfinancial Conflict of Interest in Academic Clinical Research

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During a presentation at the 2016 ASCO Annual Meeting in Chicago, Illinois, a bioethicist joked that financial conflict of interest (COI) disclosures were the great success of modern bioethics.¹ I appreciated the irony; perhaps our focus on financial COI has overshadowed other competing interests at the intersection of academic medicine and clinical research. Non-financial COIs may be equally pervasive, are often unavoidable, and are no less important.²⁻⁶

Perceptions and Missed Opportunities

First, it is important to underscore perceptions of COI. Whereas legal entities evaluate COI on the basis of divergent objective, regulatory, and/or structural rules, medical communities associate it with fraudulent, even overtly unethical, circumstances.⁷ This is probably a result of highly publicized historical scandals involving investigators receiving monetary gains from sponsoring pharmaceutical companies,⁸⁻¹³ inaccurate publication of results on the basis of financial (dis)-incentives,¹⁴⁻¹⁶ and evidence suggesting that pharmaceutical sponsorship in medical education induces biases.^{15,17-21} For these reasons, ASCO and other organizations, including the National Institutes of Health, the US Food and Drug Administration, and the Institute of Medicine, have all made the disclosure of financial COI mandatory.^{13,22-26}

None of these organizations have explicitly recognized non-financial COI, however. This is a problem because completely separating physician-investigators' competing interests in patient care, goals for scientific advancement, and individual and institutional ambitions for leadership and accomplishment is unrealistic, if not untenable. Indeed, professional job security and advancement for academic physicians is often contingent on successful competition for extramural funding and/or publication of scholarly work, both of which require fruitful research endeavors. In the case of research that involves human subjects and clinical trials, this means enrolling patients.¹³ Ignoring these legitimate competing interests is a missed opportunity.

Personal Examples

Although there are myriad examples where our academic and clinical interests may compete, here I underscore two instances related to informed-consent processes. Both relate to the influential, and perhaps unrecognized, biases created when professional success is tied to patient enrollment. First, as a pediatric oncology fellow, I was often tasked with getting the consent from a new

patient with cancer. Like many of us, I was trained in the ethical conduct of research and processes of informed consent. I could recite the relevant regulations and bioethical principles. I knew the evidence regarding coercion and (financial) COI. I had come to understand the value of clinical research in improving clinical oncology outcomes. I had been present for a handful of supervisor-led consent conferences. Now, the responsibility of leading the conference, and presumably enrolling the patient in the clinical trial, fell to me.

Here is the conundrum. After more than a decade of formal medical training, I had come to perceive that my supervisors' approval, and hence my potential for continued academic achievement, was contingent on completed tasks and checklists. I heard “get the consent” and walked into the patient's room with a clear agenda: consent equaled success; dissent equaled failure. In all likelihood, my task-oriented role colored my approach and ultimate impression of proficiencies.

Little empirical research has been conducted regarding trainees' perceived COI in obtaining a patient's informed consent; this example is entirely anecdotal. However, there is relevant precedent when trainees are asked to obtain do-not-resuscitate (DNR) orders.²⁷ Here, task-oriented rather than process-oriented approaches (eg, “getting the DNR” rather than “beginning to explore family preferences and goals of care”) may be associated with a failure to meet the overarching best interests of the patient. For example, in a 1985 study of the use of DNR orders at three teaching hospitals, investigators found that discussions of resuscitation frequently failed to incorporate patient and family values; DNR orders were not fulfilling their goals.²⁸ This has not changed in decades. Current literature highlights persistent problems with DNR processes, including the fact that trainees receive inadequate skills training and role modeling to appropriately conduct these conversations.²⁹ Many have called for a reform of DNR policies and hospital culture to optimize bioethical principles of autonomy, beneficence, nonmaleficence, and justice.^{30,31}

Returning to my own experience, during my fellowship I did not yet understand that if a family said “no” to a study, it was not a marker of personal failure or that successful consent conferences could have a variety of outcomes. Instead, I grappled with multiple, potentially conflicting interests: one to the patient, one to myself as a successful trainee, and perhaps an additional one to my institution's reputation.

Indeed, regardless of physician-level success in obtaining informed consent, not enrolling a patient may still be associated with institutional failure. To encourage enrollment, nearly three-quarters

of research sites are compensated by sponsor-led, so-called competitive enrollment practices where, for example, sites that recruit a sufficient number of participants are rewarded with additional enrollment slots (thereby receiving more ideal authorship positions on manuscripts or higher recognition).¹³ Sites that fail to meet enrollment quotas may be dropped from the study or the larger consortium. These incentives are highly likely to explicitly or implicitly bias investigators' decisions and framing of consent conferences with potential participants; described hazards of competitive enrollment include inadequate disclosure of risks and exaggeration of potential benefits of study participation, enrollment of subjects who do not meet eligibility criteria, failure to report adverse events to oversight committees, improper data manipulation, and failure to terminate trials when indicated.³²

Thus the quality of competing interests during informed consent has evolved with my career. Now an attending pediatric oncologist, I and my institutional colleagues are members of the Children's Oncology Group (COG), the world's largest cooperative clinical trial group for pediatric cancer. Within the COG, there is a team of investigators and select institutions tasked with conducting early (phase I) clinical trials. The selection of which trials to open within these sites is based on expert scientific opinion and extensive investigation of promising drugs and biologic agents.

As a member of the phase I consortium, my institution's success in phase I patient enrollment is tracked. Indeed, if enrollment or other benchmarks fail to meet committee standards, then we may be placed on probation. If our numbers do not improve after a specified monitoring period, we may be removed from the program. Although the potential for COI is mitigated by the allowance of a 3-year rolling average, the pressure to successfully enroll a sufficient number of patients remains. We have an institutional reputation and role to maintain; hence, when patients are eligible for phase I clinical trials, we may implicitly or overtly encourage their participation.

In a report on the ethical conduct of clinical research involving children, the Institute of Medicine explicitly discouraged financially-based recruitment incentives because such systems of rewards could undermine the integrity of the study or the process of informed consent.³³ Institutional pressures to recruit sufficient numbers of children may be similarly influential. However, the argument that sites must maintain a competitive practice of enrollment and research conduct also has merit. In early clinical research, for example, local experience with processes of adverse event monitoring, data collection, and, yes, consent processes, may mitigate some of the risk. My institution tracks not only successful recruitment, but also compliance with safety reporting and data-collection standards. Indeed, these latter standards are just as important to our inclusion in the consortium as sheer volume of enrollment. Likewise, as a result of the rigorous monitoring criteria, we have a dedicated team of investigators, nurses, and research associates who systematically and critically evaluate our research practices. In the end, the ethical and successful conduct of the research may be optimized.

Conflict Resolution

Others have described opportunities to improve the content and process of informed consent conferences, including communication skills training.³⁴⁻³⁷ To my knowledge, none have explicitly addressed the role or effect of nonfinancial COI in these settings.

How, then, do we proceed? Common sources of guidance include local, regional, and national policies.¹² These are only part of the solution. In addition, there must be a standardized and non-threatening opportunity for discussion of institutional and individual values, norms, and practices.³⁸ These should include educational expectations and performance metrics (eg, you will not fail just because the family said "no"), thoughtful evaluations of enrollment practices within consortia (eg, how best can we optimize the safe, successful, and ethical conduct of phase I research?), as well as formal and directed training in the navigation and open discussion of competing interests (eg, how can we raise awareness and help with the navigation of nonfinancial COI?).

Unfortunately, such efforts may not fully mitigate the problem. For example, the Institute of Medicine has acknowledged that simple disclosure of COI may be ineffective, at least when the COI is financially mediated.¹² The reasons are as follows. First, the value-laden response to reported financial COI creates a new, non-financial conflict; namely, investigators may feel shamed or discredited with the disclosure itself. Hence, there may be an incentive for nontransparency, or even dishonesty.² Second, disclosing the conflict does not magically erase it. There is no clear evidence that disclosure requirements make investigators less likely to engage in monetary relationships with industry, nor do disclosures necessarily have an impact on the actual conduct of the research.³⁹

Alternatively, research studies in the related field of unconscious bias suggest that focused training, personal awareness, and faculty role modeling can successfully shape behaviors and minimize implicit racial and weight biases.⁴⁰⁻⁴³ Perhaps we can translate these findings to nonfinancial COI. For example, trainees who witness successful consent conferences that do not end in enrollment may feel more equipped to realistically assess their own competencies and communication styles.

We also must conduct our own empirical research. As with the regulations, the limited studies to date have focused on financial as opposed to nonfinancial COI. A survey of physicians found that 52% believed that their colleagues were likely to be biased by industry-sponsored gifts, even of nominal value, whereas only 36% believed themselves to be similarly at risk.²⁰ Among potential research participants, another survey-based study found that willingness to participate in clinical trials was strongly influenced by disclosed financial COI; 64% of respondents said that knowing about financial conflicts was extremely or very important, and many said that they would be reluctant to enroll if such conflicts were present.⁴⁴

There is no similar research describing the effect of non-financial COI on research outcomes or the well-being of physicians and patients. Early studies might ask how institutional enrollment expectations affect individual provider styles during consent conferences, or if there are systematic differences in procedures between centers that are and that are not members of cooperative consortia. As we have done with financial COI, investigations might also evaluate patient decision making in the context of nonfinancial COI. At a minimum, rigorous investigation of the prevalence and influence of nonfinancial COI is necessary if we hope to successfully navigate it.

COIs (financial and nonfinancial) also need to not be labeled as unethical. As with the example of the COG phase I consortium, there is potential for both harm (undue influence to obtain

a consent) and benefit (safer and more experienced conduct of research that involves human subjects). What matters most is that individuals and institutions have effective tools to manage COI when they arise. What these tools look like, and how they are implemented, must be tailored to individuals, institutions, and perhaps specific circumstances.^{3,45}

Finally, we must accept the fact that nonfinancial COIs are pervasive and unavoidable in clinical medicine. They are rarely corrupt and include the examples here, as well as topics of professional publication practices and pressures, dual responsibilities of education and bedside care, and more general bioethical debates. For example, clinical ethics consults often arise when providers have competing interests (eg, the allocation of scarce resources), when tensions exist between patient autonomy and beneficence, or when the provider must navigate shared roles of family members in decision making. In these cases, we approach the problem solving with methodological frameworks and systematic discussion. Let this practice be translated into all settings of conflicting commitments.

AUTHOR'S DISCLOSURES OF POTENTIAL CONFLICTS OF INTEREST

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