

## Medical Ethics – Are We Talking Enough

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### ABSTRACT

The last three decades have seen major strides being made in the introduction and promotion of medical ethics in the medical school curriculum. Efforts to hone faculty skills and knowledge have come to the forefront. More emphasis has been placed on discussions on ethical issues in addition to subject-related deliberations. In India, medical ethics teaching remains largely a part of the 'hidden curriculum' in most colleges. This study aims to know the circumstances and opportunities currently available for the ethics education of students, a reflection of how far we have travelled on this path of delivering to society empathic and ethical physicians. It is of great pertinence in view of the fact that the Medical Council of India has from this year, included the teaching of ethics into the formal curriculum. It contributes to identifying wherefrom we start and focus our renewed efforts. Inclusion of what was earlier 'hidden' in the formal curriculum and its implementation aim to ensure that the physicians of tomorrow acquire the knowledge and skills to recognize and handle ethical dilemmas in their practice.

**Keywords:** Ethics, medical students, medical, learning ethics, student uncertainty.

### INTRODUCTION

In 1970, in one of her essays in the compilation "Sovereignty of God" philosopher Iris Murdoch stated that the ability of an individual to act in an appropriate manner 'when the time comes' "depends partly, perhaps largely, upon the quality of our habitual objects of attention" [1-2] Murdoch also recognized that choices can be made only within the world 'I can see', referring to the moral vision of an individual. Over two decades later PA Scott put forth an observation that "the quality of the practitioner's role enactment and moral sensitivity has a direct bearing upon patient care" [3]. These thoughts and observations when referenced to the field of medical ethics were before their times.

The World Medical Association at its' 51st annual General Assembly, held in Tel Aviv, Israel from October 13th -17th 1999, recommended "to all medical schools that the teaching of medical ethics and human rights be included as obligatory courses" [4]. The importance of ethics in medical education is irrefutable as is the emphasis on imparting this knowledge to all succeeding generations of doctors. Moral vision, so eloquently phrased by Murdoch, is increasingly a palpable

felt need in the present context. So that some aspects of ethics do not become representative of the complex whole, a deliberate knowledge and understanding of the subject is essential.

The last three decades have seen major strides being made in the introduction and promotion of medical ethics in the medical school curriculum. Efforts to hone faculty skills and knowledge have come to the forefront. More emphasis has been placed on discussions on ethical issues in addition to subject-related deliberations. In India, medical ethics teaching remains largely a part of the 'hidden curriculum' in most colleges.

Despite efforts to bring ethics education to the mainstream of medical curriculum, there is always more that remains to be done. The question we have to ask ourselves is 'Are we doing enough?' To this end, it was decided to go to the students themselves who are our target learners.

This study aims to know the circumstances and opportunities currently available for the ethics education of students, a reflection of how far we have travelled on this path of delivering to society empathic and ethical physicians. It is of great pertinence in view of the fact that the Medical Council of India has from this year, included the teaching of ethics into the formal curriculum [1]. It contributes to identifying wherefrom we start and focus our renewed efforts.

## METHODOLOGY

Following approval from the Institutional Ethics Committee, questionnaire was applied on 150 undergraduate (UG) and postgraduate medical students present on a routine working day, with a response rate of 72.6% (n=109). UG students were from the 8th and 9th Semesters (final years of MBBS). Responses were collected on the same day within 2 hours. Data regarding demography, prior ethics training was gathered. The questions are shown in the figure below. Data analysis was done using SPSS version 20.0

Figure 1: Questions applied related to theme 'Are we talking enough?'
Select options that are applicable in your personal experience.
<b>Q1. You have come across discussions on ethics in:</b>
a. During medical lectures
b. During rounds or bedside teaching
c. On television during debates or in print media
d. Amongst fellow students
e. At medical conferences
f. During Medical Ethics Lectures
<b>Q2. You have felt the need to know more about ethics</b>
a. Never
b. During clinical rotations / in wards
c. Social gatherings (friends/family)
d. Discussions with medical colleagues or in college
e. Following discussions/debates on TV/print media, etc.

## RESULTS

The sample consisted of 109 medical students and consisted of 47 undergraduate (UG) students and 62 post graduate (PG) students with a male:female ratio of 2.23:1. Of the respondents, 53.2% (n=58) accepted that ethics had been covered in their curriculum while others either denied (n=43) or were uncertain (n=8). In response to where they had come across discussions on ethics the responses were varied. Significantly higher number of students agreed that discussions on ethics were seen in medical lectures ( $\chi^2(1)=11.239$ ;  $p=0.001$ ), in the wards during bedside teaching or clinical rounds ( $\chi^2(1)=22.028$ ;  $p=0.0001$ ) and at conferences ( $\chi^2(1)=5.734$ ;  $p=0.017$ ). Interactions

with other student-colleagues was not accepted as a likely source for ethics discussion ( $\chi^2(1)=4.046$ ;  $p=0.044$ ).

**Table 1 - Cross tabulation was done with the academic program of the respondent**

Responses to 'You have come across discussions on ethics in'								
Discussions on ethics in		No	Yes	Fishers Exact Test		OR	95% CI	RR of 'No'
				2-sided	1-sided			
Medical Lectures	UG	22	25	0.016	0.012	0.363	0.160-0.820	1.935
	PG	15	47					
	Total	37	72					
In Ward	UG	18	29	0.033	0.024	0.387	0.163-0.915	1.979
	PG	12	50					
	Total	30	79					
On Media	UG	28	19	1.00	0.516	0.940	0.435-2.030	1.026
	PG	36	26					
	Total	64	45					
With other Students	UG	32	15	0.167	0.085	0.533	0.242-1.176	1.279
	PG	33	29					
	Total	65	44					
In Conference	UG	17	30	0.695	0.405	1.192	0.546-2.606	0.897
	PG	25	37					
	Total	42	67					
Medical Ethics Lectures	UG	26	21	0.032	0.020	0.414	0.190-0.902	1.633
	PG	21	41					
	Total	47	62					

Students who admittedly received ethics training in UG were 2.5 times more likely to accept that lectures on medical ethics enabled discussions on the subject ( $p < 0.05$ ) (Table 2)

**Table 2 – Medical Ethics Lectures as discussion sources based on admitted UG ethics training**

		Discussed in ME lectures		Fisher's Exact test		Odds Ratio	95% CI	RR of 'Yes'
		Yes	No	2-sided	1-sided			
ME taught in UG	Agreed	39	19	0.022	0.016	2.499	1.148-5.439	1.491
	Not agreed	23	28					
	Total	62	47					

Students were asked about the situations where they felt the need for further knowledge on ethics. Students revealed significantly higher need in the wards ( $p=0.003$ ) and lower need was reported in social gatherings and while following media discussions or debates (both  $p=0.0001$ ). Chi Square test revealed no significant difference in the need for ethics knowledge expressed by UG or PG students in different scenarios that were presented to them. (Table 3).

Analysis of responses with their self-admitted training in ethics revealed significant association with the need expressed is seen in Table 4.

## DISCUSSION

Student uncertainty on whether or not ethics had been taught to them in their UG curriculum is worrisome, unless one considers that ethics so far in Indian medical colleges has been predominantly part of the 'informal' curriculum. The term in itself implies a certain laissez-faire

approach to the transfer of knowledge, leaving the content, depth and extent of teaching to the judgement of the faculty.

**Table 3: Felt need for knowledge of ethics in scenarios presented**

Need	Group	Need for knowledge		Fisher Exact Test		Odds Ratio	95% CI	RR for 'No'
		No	Yes	2-sided	1-sided			
Never	UG	40	7	0.464	0.289	1.516	0.553-4.160	1.077
	PG	49	13					
	Total	89	20					
Wards	UG	16	31	0.841	0.45	0.875	0.396-1.935	0.918
	PG	23	39					
	T	39	70					
Social Places	UG	35	12	1.00	0.501	1.102	0.466-2.600	1.026
	PG	45	17					
	Total	80	29					
Colleagues	UG	20	27	0.701	0.404	0.843	0.393-1.809	0.901
	PG	29	33					
	Total	49	60					
Media	UG	36	11	0.577	0.268	1.446	0.609-3.433	1.104
	PG	43	19					
	Total	79	30					

**Table 4 – Discussions on Media as a source of felt need for ethics knowledge**

		Discussions on Media		Fisher's Exact test		Odds Ratio	95% CI	RR of 'No'
		No	Yes	2-sided	1-sided			
ME taught in UG	Agreed	48	10	0.17	0.009	3.097	1.280- 7.490	1.362
	Not agreed	31	20					
	Total	79	30					

The ability to perceive and imbibe the teachings in the informal curriculum are dependent on multiple variables such as students' maturity, training in identifying the 'hidden curriculum', skill of the faculty, the context, timing of interaction, time for discussion, etc. Deliberate training has been shown to improve the ability of students to understand the hidden curriculum, appreciation of its' importance and ability to perceive good behavior in the wards [5].

The need to define the interventions in the 'hidden' curriculum has been recognized by several medical schools in different countries. India too joins this group with introduction of the Attitudes, Ethics and Communication (AETCOM) module in undergraduate medical curricula from the current academic year [6]. To the sensitized and experienced, all clinical situations and interactions have elements of ethical interest and seeds of discussion. It is heartening to note that students acknowledged the medical lectures, conferences and clinical postings/wards as places of ethical discussion in addition to Medical Ethics lectures (Table 1). It should be pointed out that while this number is statistically significant, ethics is not about statistics but about individuals. The focus and efforts of fine-tuning our system should continue till not the majority but all students are sensitized to recognizing ethical situations and being able and willing to discuss these with the same attention as they do a clinical diagnosis. The higher proportion of aware PG students in comparison to UG students is easily explained by the fact that they work longer with patients, are more likely to be presented with ethical issues, their one-on-one interaction with faculty is higher and these create a background for higher number, variety and depth of ethical discussions. Promoting discussions amongst students on ethical aspects of education and patient care is important. This has to be

initiated and nurtured by the teachers and educators, creating an enabling and conducive environment for such discussions. However, it can only bear fruit if students are adequately sensitized, have the cognitive knowledge and are provided with a facilitative environment. Table 2 clearly depicts the difference made by students who self-admittedly were recipients of Medical ethics training, generating a hypothesis that they had attended the scheduled lectures on medical ethics. Since all students were from the same college and hence received similar overall training, the impact of formal training cannot be denied. It also underlines the fact that attendance in the lectures is directly correlated with outcomes [7].

The need to have had greater knowledge on ethics was noted by higher proportion of students in the wards and during discussions with colleagues. This reflects a degree of sensitization to ethical dilemmas amongst the students. Table 3 reveals that similar results for UG and PG students with regards to their responses which needs exploring. That medical school dehumanizes students is known [8-9]. It would be reasonable to expect greater empathy, recognition of ethical dilemma and need for knowledge as student's progress from undergraduate to postgraduate studies. The lack of this finding is cause for concern and introspection. The conversion of the expressed felt need to a confidence that translates into higher standards of patient care is the responsibility of the faculty. A formal curriculum would definitely contribute to this end.

It is pertinent to note that most courses do not address ethics from the perspective of student experiences during medical training. Contradictions between what is taught and actually practiced, students' difficulties in adhering to ethical precepts, the silent compulsions of their position in the hierarchal medical structure, temptation to withhold information from patients are some areas not routinely covered [10]. The courses designed need to be relevant and interesting to hold their attention and make a palpable difference in their practice. Several authors have noted that students have definite preference of topics they consider relevant [10-14]. Maturity of a curriculum would be when its' contents satisfy the needs of a learner and the end-beneficiaries – the patient. This strengthens the case for stakeholder participation in curriculum designing.

Another point made by students in this study was with reference to the Media. The media (TV or print) was not seen either as a platform where discussions on ethics happened and neither did students feel the need for knowledge on ethics in that setting. This is a poor commentary on the content of various media modalities that do not deal with topics of ethical interest in a befitting manner. Concern over market share and ratings have resulted in media converting ethical issues into sensational news with more emphasis on blame game and retribution than on the issue itself. However, it is to be accepted that a mature physician would be able to identify the ethical aspects of such media coverage.

## CONCLUSION

The study underlines the need for greater extent and depth of training on medical ethics for our students. The medical student is an impressionable mind that we as faculty can embed with ethical values and knowledge that will beget a caring physician. Great hopes are placed on the introduction in the formal curriculum of the AETCOM module. There is an old saying, 'It takes a village to raise a child'. Let us all, physicians, educators, patients and the media, unite to raising a professional, ethical physician for tomorrow.

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