DNB being accepted by the MCI. Of course, anyone who has cleared DNB exams, especially in the last couple of years, is no less than a genius. But does it mean that the vast majority, especially those who have been fortunate enough to have completed their rigorous training in highly reputed hospitals, are good for nothing? The National Board approves certain hospitals for imparting training and allows them to collect fees up to Rs 50,000 per annum. However, since the pass rates of the trainees from most such hospitals are dismal, the examinations formally declare that the centres approved by the Board are not fit to train the trainees sufficiently to pass the examinations even with repeated attempts. So, what is the value of the approval and the thorough and painstaking training that many such hospitals offer?

Are the pass rates of DNB examinations reflective of quality or farce? During the DNB practical exams the examiners do not even bother to look at the logbook or dissertation. What are these for, then? Not even looking at the logbook means that the meticulous training at the approved centers count for/amount to nothing. In many other countries like the UK (12), Hong Kong (13) and Oman (14), the logbook is given due importance. To make effective use of technology, the UK and Ireland have already operationalised the Pan-Surgical Electronic Logbook (15).

To make matters worse, the NBE does not formally publish the pass rates or even the rating criteria. At present it does not even send candidates their mark sheets. However, a recent notification announces that starting in December 2009, marks will be provided, but only to unsuccessful candidates (16). In other words, those who pass are not entitled to know how they have fared in the examinations.

The time may have come to rename it the National Board of Eliminations.

References

Diplomate of the National Board: inefficient parallel education

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Abstract
The National Board of Examinations conducts the Diplomate of the National Board in broad specialities as well as in core super specialities. The programme was meant to provide a common standard and a mechanism of evaluation the These programmes, as per the prospectus of the DNB course are meant to provide the basic level of competence required for the postgraduate qualification in that subject. However, it has failed to meet these objectives. It is imperative to re-examine and revamp the system to improve its credibility and acceptability at both the national and international levels.
The National Board of Examinations conducts the Diplomate of the National Board (DNB) in broad specialities as well as in core super specialities. Established in 1975, the programme was meant to provide a common standard for postgraduate education and a commonly accepted evaluation mechanism for national and international comparison. It has attained the status of a parallel system of postgraduate education in India over the years. In his critique of this system, Sarbhadikari describes the DNB examination as a farce (1). He has attempted a study of the evaluation and examination system in light of recommended standards for postgraduate medical education and found it wanting on several counts.

The national board of examinations

The National Board, in its prospectus, states:

The setting up of a National Body to conduct postgraduate medical examination was intended to provide a common standard and mechanism of evaluation of minimum level of attainment of the objective for which postgraduate courses were started in medical institutions. Moreover, intra country and international comparison is facilitated with the availability of commonly accepted evaluation mechanism like DNB.(2)

However, the DNB has been relegated to the sidelines. What should have been a prestigious asset to the field of medical education is now a tool utilised by institutions to obtain a cheap workforce and by candidates who do not make it to the regular mainstream MD and MS courses to pursue a degree in a postgraduate discipline of their choice. It is now known that postgraduate seats in government-sponsored institutions are extremely hard to come by. With the advent of postgraduate entrance examinations and reservations in all levels of recruitment into the postgraduate courses, an average student would find two ways out: buy a seat or opt for a similar or smaller course. The DNB is a good alternative for these students. At the same time the country is seeing a great increase in institutions and hospitals in the private sector. Starting a DNB course is an easy way to label the institute as a postgraduate institution. The process of selection for the DNB primaries is fairly well spelled out and all the prerequisites need to be fulfilled. Candidates who already have their MS/MD just need to ensure that their degrees are recognised (3). The theory and practical exams are standardised and the candidates are allowed a choice of centre to take their exams. There are four theory papers (there are no objective papers), each consisting of 10 essays. Though these are fairly comprehensive and cover the subject well, they can hardly be considered a measure of the student's abilities. They can, at the most, be used as a primary screening before candidates appear for their practical examinations. It may not be practical to do away with these sessions but an addition of multiple choice and analytical tests that simulate a clinical situation and also test decision making ability may help improve assessment in theory papers.

Once the theory examinations have been cleared, the candidate is given three attempts at the practicals. In the practical examinations, the DNB follows the same pattern as that of the MD/MS exams. The theory papers are just a matter of learning by rote, it's the practical examinations which challenge the student and test his training and ability, and unless the student undergoes a well defined system of appraisal and training, s/he is unlikely to be fit to give the examination, leave alone pass the examination.

It is easy to hold the national board responsible for these problems, but the examination system alone cannot be blamed for the maladies afflicting the board.

Results of the examinations

The DNB examination is noted for its poor pass percentages. Sarbhadikari notes, correctly, that a number of the students who do pass the DNB at the first attempt are those who already have their MD and their MS degrees. It is difficult to understand what use the DNB is to them besides the addition of an equivalent qualification on their visiting cards. However, few of those who give the DNB as their primary postgraduate exam manage to clear it in the first attempt. Is the DNB going largely to candidates who have no use for it, or who are anyway not likely to benefit from it? The DNB students in their online petition state:

DNB final exams rarely depicts [sic] the published board syllabus and the exam pattern is largely descriptive, outdated and scientifically invalid. The dates of the theory and practical parts of the exam are not published in due time for the candidates to prepare effectively for the exams. This along with the long waiting period between the theory exam and the publishing of the results makes the candidates anxious and reduces the performance during the practical exam which follows very shortly after the
publishing of the theory results. The practical exams are conducted erratically with no fixed dates and venues. There are numerous instances, where practical exam venues were cancelled and few [sic] unfortunate instances, where practical exam results were cancelled after the conducting of exams forcing the candidates to reappear for the exam. This is adding up to the misery of the already stressed exam going candidates leading to a suboptimal performance by the candidates.(4)

Now, many universities have prevented government institutions from running both MS/MD and DnB courses within the same institution. The DnB candidate is therefore at the mercy of private players who institute the course to acquire the status of a postgraduate institute, and at the same time, acquire staff at a low price. The DnB may be less lucrative than an MS / MD seat, but it is also cheaper for the candidate. Many institutions offering DnB courses have adequate qualifications and are reputed enough to sustain a teaching programme. Many others are not so well equipped and do not have a good patient load, and consequently the candidate is likely to suffer for want of adequate clinical material. This evil does not afflict DnB institutions alone; many institutions offering MD and MS courses suffer from a similar malady, especially outside the government sector.

The internal appraisal system of the national board

The board has set up an appraisal system both for candidates and for centres, to be conducted at six monthly intervals. These appraisals are mandatory for the centre to continue its training programme and for the student to be able to continue the course (5). It would be interesting to learn how honest these appraisals are, but such an analysis has yet to be carried out or published.

These appraisals are meant to be carried out at the local level and should include a short theory paper, feedback on the theory paper, thesis and log book review, practical examination, hospital infrastructure appraisal, a report and suggestions on the DnB training and appraisal process (5).

In practice, one finds just two essential steps in the appraisal process – a reproduction of the exam and feedback based on it, and an analysis of thesis progress and log book records. The review of progress of skills here is entirely subjective, and there is no objective analysis of the method and progress of the training programme.

The appraisal should ideally be bilateral and independent of the institution. Both the candidate's self assessment and the assessment of the appointed assessor should be read by a third, uninvolved party. This may help identify defects in the training programme. The stress on theory examinations could explain why it is easier to pass the theory examinations than it is to pass the practical examinations. Theory examinations hardly measure the ability and sound clinical judgement of the candidate or the progress in his/her training. They can at best be a measure of the ability to reproduce what has been read.

Practical examinations depend on the acquisition of basic clinical skills and the ability to give the rationale for a plan of clinical management. This is possible if the training includes these basic skills.

Davidoff lists a number of educational initiatives designed to develop competence in individual patient care which include problem-based learning, evidence based medicine and training in the use of clinical guidelines. Problem-based learning, described as "quasi-experiential," is a model that uses a written case rather than a living patient as a trigger to evolve a definition of the student's learning goals as well as independent self-directed learning which can be reinforced under faculty supervision in group discussions (6).

Any form of assessment must include protocol-based enquiries based on treatment plans and current concepts. A simple reproduction of exam patterns in the assessment protocols will not suffice. A detailed assessment of patient loads and teaching protocols in the institution must also be mandatory. This would ensure that the candidate gets adequate hands-on experience. Such requirements gain more significance in light of the fact that under current rules DnB candidates have equal rights to be selected for teaching posts provided they have completed an additional year of training following their qualification (7). Further, many grievances have been expressed by DnB candidates, regarding their passing percentages and their stipend payments (3). These too need to be addressed. Dr Sarbhadhikari, has correctly noted that transparency and accessibility of all results and assessments in the public domain are a must.

Above all these, the DnB appraisal should also include a periodic appraisal of its faculty and there should be prerequisites for qualification, teaching experience, ongoing research and conference involvements and publications, in parallel with the Medical Council of India's rules on faculty promotions. This would ensure quality amongst all faculty which would reflect on the quality of teaching and training.

The DnB's fellowship programmes and super-speciality teaching programmes are both welcome steps, as certificate programmes of this type do not exist in the standard postgraduate teaching schedules of the universities in India. They therefore provide an opportunity for the student to acquire further qualifications without leaving the country. These programmes are relatively new and the National Board must bring in a quality control system to monitor the viability, reliability and acceptability of these qualifications, if necessary in collaboration with universities in India and abroad.

Conclusions

The National Board is a necessary institution in a country that is short of medical professionals. But it has failed to meet its objectives. The dismal pass percentage of the DnB course is not a comment on the difficulty or comprehensive nature of the course; instead it reflects on the poor training imparted to its students that prevents a good pass percentage despite the three attempts permitted for the practical exams. Urgent steps need to be taken to revamp the training, assessment
and creditworthiness of the DNB courses to bring them on par with world standards and to achieve the goals set out in the constitution of the National Board.

The National Board of Examinations needs to upgrade itself urgently to avoid the tag of “National Board of Eliminations”.

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Medicine, merit, money and caste: the complexity of medical education in India

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Abstract
Private medical colleges in India are under the scanner. There is a longstanding debate about the selection methodology that should be followed for admissions in medical colleges. A significant proportion of aspirants are able to afford medical education in private colleges despite not clearing entrance examinations. Others gain entry purely on the basis of caste. Medicine deals with human life and, consequently, there is a widespread feeling that admission criteria in medical schools should be based only on merit as assessed in entrance examinations. This article examines some of these contentious issues.

“She is quite a serious thinker, even though her grades are very good.” School teacher in Shanti Niketan, West Bengal, quoted by Amartya Sen (1)

Medical education is a hotly debated subject in India these days. Government colleges have not increased in number while new private medical colleges are established each year, many of them with dubious infrastructures and questionable motives. The fact that private colleges make obscene amounts of money and allow rich people who can afford the exorbitant fees to bypass entrance examinations is anathema to many ordinary Indians. Similarly, the concept of caste-based reservation generates passionate arguments and the side one takes is generally, and indeed ironically, dictated by one’s own caste. Many have castigated the entire admission process as based on money and caste. As merit is apparently the loser, some have called for a single annual selection process for placements to all medical colleges with an end to caste-based reservations as well as paid placements. Others support privatisation of medical education for they see it as a necessary consequence of caste-based reservations in government institutes. The purist would simply want all private medical colleges shut without any debate on the subject. None of these views is without foundation. In the following paragraphs, I attempt to examine these issues in detail.

It is hard to argue against the use of entrance examinations for medical college placements in a country with relatively limited opportunities. Candidates selected through this formal assessment process, generally based on a multiple-choice format, answer more questions correctly than those who miss out on placements, with the cut-off grade based on the number of available placements. Entrance examinations for MBBS seats usually assess the applicant’s knowledge in fundamental sciences; some universities give higher weightage to biology. A few universities have additional criteria. A passing grade in Gandhian thought is a prerequisite for entry into Mahatma Gandhi Institute of Medical Sciences, Sevagram, while 50 out of 60 seats in Christian Medical College (CMC), Vellore in the year 2009 were under the sponsored category. Candidates applying under this category are sponsored by Christian organizations which are members of the CMC Vellore Association or Council (2). The process is extremely rigorous and there are few survivors.