Editorial

Overdiagnosis – overtreatment

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This double issue of the Journal for the 2011 sees daylight having gone through a rigorous editorial process. There was an inevitable delay in the release of this issue as most of the last year was spent on appointing a new Editorial Board and International Advisors. All articles have been peer reviewed and that too has taken time. Number and rate of submission of good articles are not so encouraging and the Editors make a fervent plea from the Members of the CCP to indulge in more research activities and to sharpen your writing skills, and keep an eye for case reports worth publishing.

Readers of current medical literature would be aware of a new conference next year on preventing overdiagnosis. Concern about harms and costs of overtreatment had been gaining momentum. The most important reason for overtreatment is overdiagnosis. There’s growing evidence that overdiagnosis can be harmful. New technologies mean that ever more sensitive tests can detect minor insignificant abnormalities and incidentalomas. Widening definitions of disease and falling treatment thresholds capture more and more people into the net of medicalisation of “normal” people. This will result in people with very low risks given medical labels and subjected to lifelong treatment that will benefit only a very few. Changing diagnostic criteria for many conditions are causing virtually the entire elderly population to be classified as having at least one chronic condition, if nothing else the andropause or testostereone deficiency. Diabetes, osteoporosis, cancer screening, asthma, chronic kidney disease and hyperlipidaemia are some of the conditions overdiagnosis and overtreatment are very well seen. Low diagnostic thresholds and the “evidence” that early use of disease modifying drugs reduce joint disease in rheumatoid arthritis have resulted in the use of these expensive and toxic drugs even in patients with aches and pains. Same can be said about many patients with vague chest and abdominal pain who are labeled coronary artery disease who are subjected to unnecessary procedures.

In an article in the June issue of the *Medical Journal of Australia* on disease mongering, authors criticize the role of drug industry sponsored disease awareness campaigns linking vague and normal symptoms such as low libido and lack of energy to low testosterone levels. By expanding the boundaries of this disease to common symptoms in ageing males, drug companies seek to increase their markets. As a result an almost twofold increase in use of testosterone preparations – even gels, have occurred in US, Europe and Australia. It is now being debated whether we should allow drug companies to run or sponsor disease awareness campaigns aiming to promote their products directly or indirectly. We have seen this occurring openly in our country in relation to osteoporosis and bone health – another new entity. Expanded definitions of osteoporosis mean many low risk patients are overtreated with them experiencing net harm. Single-issue clinics too should be discouraged as these too help to push this agenda.

In a book titled *Overdiagnosed* published in 2011, the authors estimate that many people diagnosed and treated long term for near normal elevations of cholesterol (estimates of up to 80%) or near normal osteoporosis may be overdiagnosed, in the sense that they would never have experienced the events their treatments are designed to prevent. Other studies have shown that 30% of people diagnosed with asthma may...
not have asthma and up to 66% of them may not require treatment. Systematic reviews of breast cancer screening have suggested that up to a third of screening detected cancers may be overdiagnosed. This trend is also seen with PSA screening for prostate cancer and also in thyroid cancers. Controversial newer definitions in abnormal renal functions classify almost 1 in 10 as having chronic kidney disease, and more than 10% of adults in USA are now classified as having some form of CKD. Expanded definition of gestational diabetes makes 1 in 5 pregnant mothers to be having gestational diabetes.

Our cultural norm is that patient satisfaction is related to increased access to tests and treatments, even though unwanted care may be associated with more harm. By “medicalising” normality and expanding the boundaries of treatable illness, and therefore the number of potential patients, many groups, not least pharmaceutical companies, private clinics, hospitals and doctors, stand to benefit. But this is at considerable costs – the risk of iatrogenic illness, the waste of limited resources especially in poor countries, and the diversion of resources from the treatment of more important diseases.

References