Addiction in Anaesthesiologists and its Implications on Anaesthesia

The commonly abused drugs include opioids (morphine, fentanyl and sufentanil), propofol, ketamine, sodium thiopental, lidocaine, nitrous oxide, and the potent volatile anaesthetics [9].

Opioids are implicated in 2/3rd of all the cases followed by anesthesia induction agents (20%) [10]. Nitrous oxide has been often misused by professionals, but it is gradually been withdrawn from the hospital use due to its side effects. In near future its abuse potential among anaesthesiologists may decrease [11,12]. The abuse of volatile anaesthetics among anaesthesiologists is difficult to detect and such individuals are addicted to more than one agents [13]. The misuse of ketamine among anaesthesiologists is increasingly being reported [14].

There is a higher incidence of death among substance-abusing anaesthesiologists due to the high potency and low therapeutic windows of drugs available for abuse to them like opioids, propofol, and volatile anesthetics [15,16].

Impaired anaesthesiologist may be difficult to identify because they believe they are immune to developing a substance use disorder, are good at hiding signs and symptoms and tend to self diagnose and treat themselves without seeking professional help. Physical, emotional and behavioural alterations often occur before deterioration in clinical performance [17,18]. The change in behaviour like absenteeism from work, arriving late consistently, missing appointments with patients and conflicts with colleagues should raise the suspicion of a possible substance use disorder. Physical symptoms may include changes in sleeping and eating patterns, changes in personal hygiene, signs of physical deterioration, mood swings, personality changes and social and professional isolation [19,20].

Addiction to drugs impairs the health care professional and they may not be able to practise their profession according to acceptable standards. This can put the life of the patients in danger and affect their postoperative outcomes. Moreover an anaesthesiologist working under the influence of drugs increases the professional liability for himself and his group in case of lawsuit.

There are limited reports in literature suggesting any evidence of patient harm or claims arising from it due to substance abuse among anaesthesiologists [21,22].

A number of countries have developed facilities to take care of addicted physicians. An anesthesiologist addicted to drugs should be immediately referred to an addiction psychiatrist for management. Depending on the drug abused and severity their treatment modality may vary from intensive monitoring to residential treatment. The treatment generally includes detoxification, frequent testing for drug levels in body (urine, hair), psychotherapy and help from...
support groups [3]. After reforming these anaesthesiologist need to be monitored for absenteeism and their professional behaviour should be observed. Whether these personnel should be allowed to return to active work is debatable. Recent literature suggests a graded reintroduction of the person into active work after approval from the treating psychiatrist should be tried [23].

Anaesthesiologists with baseline psychiatric disorder with opioid dependence and familial history have an increased risk of relapse following reforming. Relapse generally occurs in early period and can be avoided by avoided by delaying the re-induction of such professional into practise [24,25].

To reduce the addiction among anesthesiologist, a comprehensive approach is required to improve their overall working condition. We should have strict regulations to limit the number of work hours per week/month. The maximum duty at a stretch should not be more than 12 hours. Incentives like 5 days a week and compulsory paid holidays every 6 months or so should be provided. Stress management workshops should be conducted at regular intervals to help manage stress full lives. All anesthesiologists should undergo a scheduled mental and physical health check up every year to ensure their fitness and detect early signs of illness.

Addiction is an occupational hazard for those involved in the practice of anaesthesiology. It is difficult to identify the affected physicians, so we must screen all the anesthesiologists for their mental health periodically. The impaired physicians should be supported to get treatment, drug tests, counselling and financial support till they are reformed. All the health care facilities should have written policy for prevention and management of abuse among anesthesiologists.

References