Serotonin Syndrome Market Research Report- Global Forecast till 2023

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Description:

Serotonin Syndrome Market Information: by drug treatment (serotonin antagonists, supportive care (Muscle relaxants, sedatives, anti-hyperthermics, antihypertensive, others), gastrointestinal decontamination, others) by end users (hospitals, point of care, others) - Global Forecast till 2023

Market Synopsis of global serotonin syndrome market:
Market scenario:
Serotonin syndrome is a group of symptoms such as high body temperature, agitation, increased reflexes, tremor, sweating, dilated pupils, diarrhoea etc. due to use of serotonergic drugs. Serious complications such as seizures and extensive muscle breakdown may occur which may lead to death. The 1984, Libby Zion case is an example of death from serotonin syndrome. Serotonin syndrome is typically caused by synergistic effect of two or more serotonergic drugs which generally include selective serotonin reuptake inhibitor (SSRI), serotonin norepinephrine reuptake inhibitor (SNRI), monoamine oxidase inhibitor (MAOI), tricyclic antidepressants (TCAs), amphetamines etc. Other drugs with a high propensity of causing serotonin syndrome are dextromethorphan, buspirone, L-tryptophan, St. John's wort, metoclopramide, ondansetron etc. There is no laboratory test to confirm the diagnosis of serotonin syndrome.

The treatment for serotonin syndrome consists of discontinuing medications contributing to the condition. For serious cases, other treatments for managing associated symptoms may be used. For serious cases with a threat to life gastrointestinal decontamination using activated charcoal is performed. Sedatives such as benzodiazepines are used for agitated patients. High fever is a common symptom of serotonin syndrome which reaches extremely high temperatures greater than forty centigrade. To control hyperthermia cooling measures may be needed. Serotonin antagonist such as cyproheptadine may be needed.

The serotonin syndrome market restraints are the low number of cases and equally low number of fatalities associated with the syndrome with less than 1% cases consuming serotonin syndrome causing drugs developing the diseases. Mild symptoms occur in about 15% of SSRI overdoses.

Considering all these factors, the market for serotonin syndrome diagnosis and treatment is expected to reach $ 400 million by the end of 2023, this market is projected to growing at a CAGR of ~ 2.3 % during 2017-2023.
Sources: Mayo Clinic, MRFR Analysis.

**Intended Audience**

- Global Serotonin syndrome diagnosis and treatment solutions, manufacturers & suppliers
- Research and development (R&D) companies
- Hospitals and clinics
- Academic institutes and universities

**Figure 1**  Global Serotonin syndrome market by Surgery, 2016 (% Market Share)

**Segments:**
The global serotonin syndrome market is segmented on the basis of drug treatment, and end users. Based on drug treatment, the market has been segmented as serotonin antagonists, supportive care (Muscle relaxants, the control of autonomic instability, anti-hyperthermics, antihypertensive and others. Based on the end users, the market has
Regional analysis
US accounts for the maximum market share due to greater use of medications and greater expenditure on healthcare. The faster market uptake of new technology and devices in the US is also an important driver of the market for global serotonin syndrome diagnosis and treatment. Europe is the second largest market due to large disposable income and rising awareness. Asia Pacific region is expected to have the most future potential and it is estimated to be led by China and India. The Middle East & Africa market is led by the gulf nations particularly Saudi Arabia and UAE. The regions of Africa are expected to witness a moderate growth due to poor economic and political conditions and poor healthcare penetration.

Key players of Global Serotonin syndrome market:
Key players profiled in the report are AstraZeneca Plc., Eli Lilly and Company, Forest Laboratories Inc., GlaxoSmithKline plc., Johnson & Johnson, Merck & Co., Inc., Pfizer, Inc. and Sanofi S.A., Ciron Drugs & Pharmaceuticals Pvt. Ltd. and others.

The report for Global Serotonin syndrome market by Market Research Future comprises of extensive primary research along with the detailed analysis of qualitative as well as quantitative aspects by various industry experts, key opinion leaders to gain a deeper insight of the market and industry performance. The report gives a clear picture of the current market scenario which includes past and estimated future market size with respect to value and volume, technological advancement, macro economical and governing factors in the market. The report provides detail information about and strategies used by top key players in the industry. The report also gives a broad study of the different market segments and regions.

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