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Source Name:SIMS Hospital

### Hon'ble Health Minister Dr. C. Vijaya Baskar Inaugurates 1 its-kind 'BONDS' Centre at SIMS Hospital, Vadapalani

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**Chennai, India**

**SIMS Hospital (SRM Institutes for Medical Science)** one of the leading quaternary care super specialty hospital in Chennai, announce the inauguration of BONDS, (BOTulinum ToxiN in Dystonia & Spasticity), a first of its kind centre in Chennai with focused approach to the treatment of patients with conditions like Dystonia and Spasticity (also for Stroke Rehabilitation) using Botulinum Toxin injection at its Vadapalani facility in Chennai.



**Dr. C Vijaya Baskar, Hon'ble Minister for Health & Family Welfare, Govt. of Tamil Nadu Inaugurates 'BONDS' Centre of Excellence kind center dedicated to Dystonia & Spasticity movement disorders at SIMS Hospital, Vadapalani on 29th Oct. :  
From Left to Right**

**Dr. Raju Sivasamy, Vice President, SIMS Hospital**

**Dr. U. Meenakshisundaram, Director, Neurology, SIMS Hospital**

**Dr. C. Vijay Baskar, Hon'ble Minister for Health & Family Welfare, Govt. of Tamil Nadu**

**Shri. Ravi Pachamuthu, Chairman, SRM Group**

**Dr. K.R. Suresh Bapu, Director, Neurosurgery, SIMS Hospital**

Inaugurated by Dr. C Vijaya Baskar- Hon. Minister for Health & Family Welfare, Govt. of Tamil Nadu, in the presence of Shri. Ravi Group, and other dignitaries, the Center of excellence prides of a state-of-the-art facility, complete with a vibrant and skilled team neurological emergencies in addition to serving chronic patients. The Center is well equipped to offer wide spectrum of services to treat various movement disorders including stroke, dystonia, spasticity and neuromuscular ailments.

Expressing his delight about the launch, **Shri. Ravi Pachamoothoo, Chairman, SRM Group**, said, *"SIMS has always been a proponent of clinical innovations. 'BONDS' Clinic marks yet another milestone in this journey and I congratulate Dr. Meenakshisundaram and his team for this center of excellence, which I am sure, will bring in a significant relief to the people with movement disorders."*

*"With such finest clinical talents and resources available in-house, who are always ready to adopt and embrace the latest and high practices, both, effectively and efficiently, we at SIMS will continue to deliver high rates of successful clinical treatments for our patients,*

An equally elated, **Dr. U. Meenakshisundaram, the Director of the Neurology Department at SIMS Hospital**, who is also the president of the Indian Movement Disorders Society of India and an Executive Committee member of the Indian Academy of Neurology, said, *"Clinical research has revealed that over last few years the use of Botulinum toxin has shown great results in the treatment of movement disorders and with proper physiotherapy regimen, people with these conditions recover faster and return to a near-normal life much quickly. Also, administration of Botulinum Injection is a skilled procedure and is done by a skilled set of experienced practitioners, complete with progressive monitoring on the patients."*

*"The treatment is done as an outpatient procedure and spans between 3 to 6 months duration with minimal side effects caused due to the temporary paralysis of muscles, which are mostly reversible depending on the patient's medical condition and their response to the treatment,"* **Dr. Meenakshisundaram**

#### **A case reference of a successful treatment**

An Indian student in his 20s developed spastic weakness in his left hand and leg due to an infarct in the brain resulting from thromboembolism during a skiing accident in South Korea. He was initially treated at a hospital in Japan; after which he was referred for further management of his spasticity. He was evaluated and injected with Botulinum toxin and two weeks later, he had significant relief, thus substantially reducing his disability.

#### **About Botulinum**

Botulinum toxin is like the **"villain who turned hero"**. It is produced by the bacteria Clostridium Botulinum. Ingestion of this toxin causes a disease called botulism. It basically paralyzes muscles (and some secretory activity). Science has made use of this feature and has brought about the concept of **"controlled paralysis"**, wherein only the abnormally excessive unwanted activity is reduced while retaining and supporting meaningful activity.

Although there are many types of toxins produced, only types A and B are used in medical practice (In India, we have only type A). Neurons or nerve cells communicate with one other and with muscle and other organs through chemicals called neurotransmitters. Botulinum toxin acts by blocking the release of the neurotransmitter acetylcholine. By this way, it helps in relieving unwanted, excessive muscle contractions. It has been applied to a wide variety of conditions including for cosmetic purposes. In neurology, it is primarily used in dystonias and conditions such as chronic migraine, hyperhidrosis (increased sweating) and sialorrhea (increased drooling of saliva).

#### **About Dystonia**

Dystonias are a group of disorders which cause abnormal posturing or movements of a body part(s) because some muscle groups contract asynchronously. They cause significant disability and discomfort to the sufferers and are in general not very responsive to medications. A common type is the task-specific dystonia where it occurs only with specific tasks such as writing (writer's cramp), playing musical instruments (such as Piano, Guitar, Mridangam etc.) playing golf or billiards, or counting currency notes.

### About Spasticity

Spasticity is abnormal stiffness that happens in diseases of the brain and/or spinal cord. The stiffness can be pronounced and cause difficulty in activities of daily living. It can happen in children due to cerebral palsy and other disorders. A common setting is post-stroke where the paralysed limb(s) become stiff over time and cause impediments to further recovery.

### About SIMS Hospital

SIMS Hospital (SRM Institutes for Medical Science) is one of the leading quaternary care super speciality hospital in Chennai. This 34 comprehensive healthcare experience across a wide range of specialities, including multi-organ transplant services. The hospital houses state-of-the-art Cath labs (including 1 Bi-plane Cath lab), advanced ICUs with Hepa filters and innovative medical technologies, all under the finest combination of experience, expertise, cutting-edge technology and well-coordinated multi-speciality Quaternary care facilities and work, SIMS Hospital Chennai is committed to deliver services of international standards. SIMS Hospital offers holistic health care that includes prophylactic treatment and care, rehabilitation and lifestyle health education and guidance to patients, their families and clients. At SIMS, we are committed to ensuring excellence in patient care.



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