



## SRI RAMACHANDRA MEDICAL CENTRE PERFORMS HIGHLY SPECIALISED NEUROSURGICAL OPERATION ON SPASTIC CHILD

Chennai, 7<sup>th</sup> January 2019

Sri Ramachandra Medical Centre has successfully performed a highly specialized Neurosurgical operation on a 13 year old spastic child.

Miss Sandhya, aged 13 years was diagnosed to have Cerebral palsy soon after birth. It is a disease affecting the growing brain around the time of delivery. It occurs because of reduction of the oxygen supply to the developing brain which may occur due to many reasons. The spastic children have many problems including delay in mental development and difficulty in movement. In Sandhya's case, there was prolonged labour after which Sandhya was delivered by a caesarian section.

Typically, such children have stiffness in the arms and legs which make their movement difficult. Over the years, Sandhya's legs became so stiff, that it was difficult to separate both her thighs and she was unable to sit cross-legged on the floor. Her hips were turned to one side and the knees became permanently flexed, so did her ankles. Sandhya is practically wheelchair-bound and needs help for all her daily needs.

Sandhya's father who works in TNEB and her mother who was a nurse tried all that they could including physiotherapy and medicines. However, her condition became worse. Even simple things like turning in the bed, lifting her on to a wheelchair or carrying her was getting very difficult due to the stiffness in her limbs.

At this stage, they met Dr K Visvanthan, Senior Consultant Neurosurgery at SRMC. They were informed about a specialized operation called "**Selective Dorsal Rhizotomy**" which could improve her condition and which could improve her tightness. The surgery was performed under the **New Health Insurance Scheme** for Tamilnadu Government Employees, so that there was little financial burden on the already stressed family.

The specialized surgery was done on the 28<sup>th</sup> of December using neuromonitoring to identify the motor and sensory roots coming down from the spinal cord. The sensory roots were stimulated and the pathological ones were cut under the operating microscope. A large team headed by Dr Visvanathan were involved in the procedure. The team included Dr Manjunatha, Consultant Neuro-anaesthetist, Dr Ranjith Kumar, Consultant Paediatric Neurologist and Neurophysiologist were in the operating theatre to look for the clinical response as the surgery was proceeding. After surgery, she recovered fast and was discharged home in five days time.

The change in her leg stiffness was almost immediate. Sandhya is now able to sit crosslegged on the floor, the legs don't appear "knotted up" like before and the physiotherapy team is encouraged that it will be possible to build on this reduction in limb tone to and improve her further. Her parent's are indeed thankful for this New Year's gift from God.

[Sri Ramachandra Hospital](#) is one of the handful centres across India where such specialised operations are carried out. [SRMC has an advanced Centre for Functional Neurosurgery](#) where operations like Selective dorsal Rhizotomy, Intrathecal Baclofen Pump insertions and Selective peripheral neurectomies can be performed safely to help affected spastic children and adults to have a better quality of life.

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# SRI RAMACHANDRA MEDICAL CENTRE

NEWS RELEASE

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jkpo;ehL kpd;rhu thh;aj;jpy; gzpnra;Ak re;jpahtpd; je;ijAk nrtypauhd jhAk gprpNahnjugp kw;Wk gpw kUj;Jt rpfpr;ir mspj;Jk Fzk Vw;GLTpy;iy. ehshf> ehshf epiyik Nkhrkhf> mth gLf;ifapy Gus;tJ kw;Wk mtu tPy; Nrhpy; CL;fhu itg;gJL kpfTk fbdkhJ.

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,e;j kUj;Jtf;FOTpy; euk;gpay; mWit rpfpr;ir kaf;ftpayhsh Dr. kQ;Rejh> rpwhh; euk;gpay kUj;Jth; Dr. uQ;rj;Fkhh cs;SPL;NLhh; xt;nthU NRAY;GHL;ilAk Jy;ypakhf fz;fhzpj;jdh; rpfpr;irf;Fg;gpd; tpiuthf eykile;j nry;tp. re;jpah 5 eHL;fSf;Fg; gpwF tPL jUk;gpdhh;. CLDBahf mtUilA fhy;fspypUe;j tpiug;Gj; jd;ik Fiwe;jJ. jw;NghJ> re;jpahtpd; fhy;fs; gpd;DG;GLHky mtuhy; jiuapy; rg;gzkPL;L CL;fhu KbfpwJ. ,jdhy; gprpNahnjugp ,ad;Kiw rpfpr;irahsh;fSk ,dp mtUf;F NkYk tpiwg;Gj; jd;ikia jsh;j;j KbAk vd;W ek;gpf;if njhptpj;Js;sdh;. re;jpahtpd; ngw;Nwhh;fSk ,e;j Gj;jhz;L ghp ir ,iwtD; msj;jjpy; kfpo;r;rp MILE;Js;sdh;.

,G;GBG;GL;L Ez; rpwg;G euk;gpay; mWit rpfpr;ir nra;af;\$ba xU rpy kUj;Jtkidfsy; = ,uhkr;re;jpuh kUj;Jt ikakK xd;whFk ,q;F> “nryf;bt NLhh;ry; hpNrhLk ,D;L;uhjpy; Ngf;Nyh gk;g; ,d;];rh;rd;];” (Selective dorsal Rhizotomy, Intrathecal Baclofen Pump insertions and Selective peripheral neurectomies) kw;Wk rpwg;G euk;G ePf;f rpfpr;irfs; ,JNghd;w ];gh];bf; Foe;ijfSf;Fk Kjpnahh;fSf;F mspj;Fk trijps; cs;sd.

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