



OPERATION STRAIGHT SPINE

15 YEARS & 180 SUCCESSFUL SPINAL OPERATIONS

Prof (Dr) UJJWAL K DEBNATH
Consultant Orthopaedics & Spine Surgeon

1st GLOBAL OUTREACH
PROJECT IN SPINAL
SURGERY IN INDIA

Dream Establishing a charitable mission project to provide spinal disease and deformity treatment for the poor and under-served in India was a dream shared by two Orthopaedic spine surgeons:

TWO SURGEONS

- **Dr. Jeffrey R. McConnell, MD**, an Orthopaedic spine surgeon working at the Pennsylvania ,Spine & Scoliosis Institute, OAA Orthopaedic Specialists, Allentown, PA, with over 30 years surgical experience,
- **Dr. Ujjwal K. Debnath, MS (Ortho), FRCS, FRCS (T&O), DM (Orth) (Univ of Nottingham)**, an Orthopaedic surgeon was in UK for 17years. He returned to practice in his native town Kolkata, India, to continue the 'Operation Straight Spine' as registered charity.

HISTORY of OSS

■ Goal:

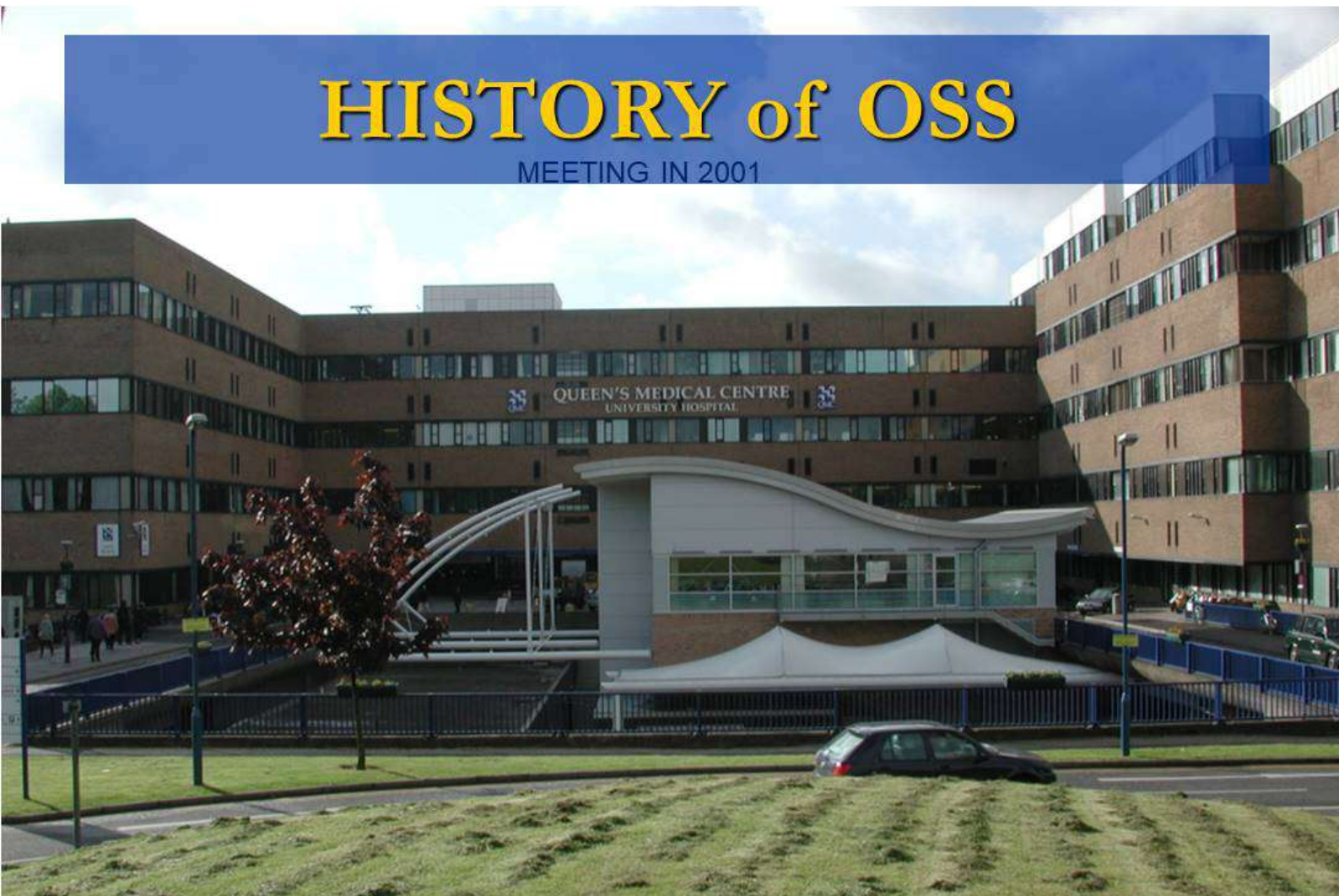
- Develop a medical aid project to provide spinal surgery services to an indigent population in a developing country.
- Establish self-sustaining spinal unit in that country.



**OPERATION
STRAIGHT
SPINE**

HISTORY of OSS

MEETING IN 2001



CARDIFF BAY – Nov 2005







FIRST SUPPLY OF CONSUMABLES FROM USA (2006)

Time to turn your back on spine trouble

SWAGATA Majumdar
Kolkata, September 1

IF THERE'S one repercussion that the vagaries of the 21st century have had on people, it is the emergence of lifestyle disorders. And one lifestyle disorder that's really getting on people's back is spinal problems. Two UK-based doctors, however, have arrived in the city to look into the problem.

It was some years ago that Dr Jeffery R. McConnell of OAA Orthopaedic Specialists, Cardiff, came across Dr Ujjwal Debnath, a spine specialist who's a Kolkatan by birth and spirit. Debnath told McConnell of his wish to return to Bengal and put his expertise to use there. This, Debnath said, he wanted to do since the only Indian institutes for spinal surgeries are concentrated in the north, south and west of the country. McConnell, who had worked at a refugee camp at the US Naval base in Guantanamo Bay, agreed to accompany his friend to Kolkata.

Once in the city, the two doctors decided to set up base at Ramakrishna Mission Seva Pratisthan (RKMSPT), since this is where Debnath had started his career. RKMSPT director Swami Sarvalokananda expressed great happiness at the doctors' proposal, and asked them to hold a clinic in the mission's hospital in November. Despite this hospital lacking the infrastructure for such surgery,



**Dr U K DEBNATH &
Dr J R McCONNELL
AT SURGERY**



RKM OT



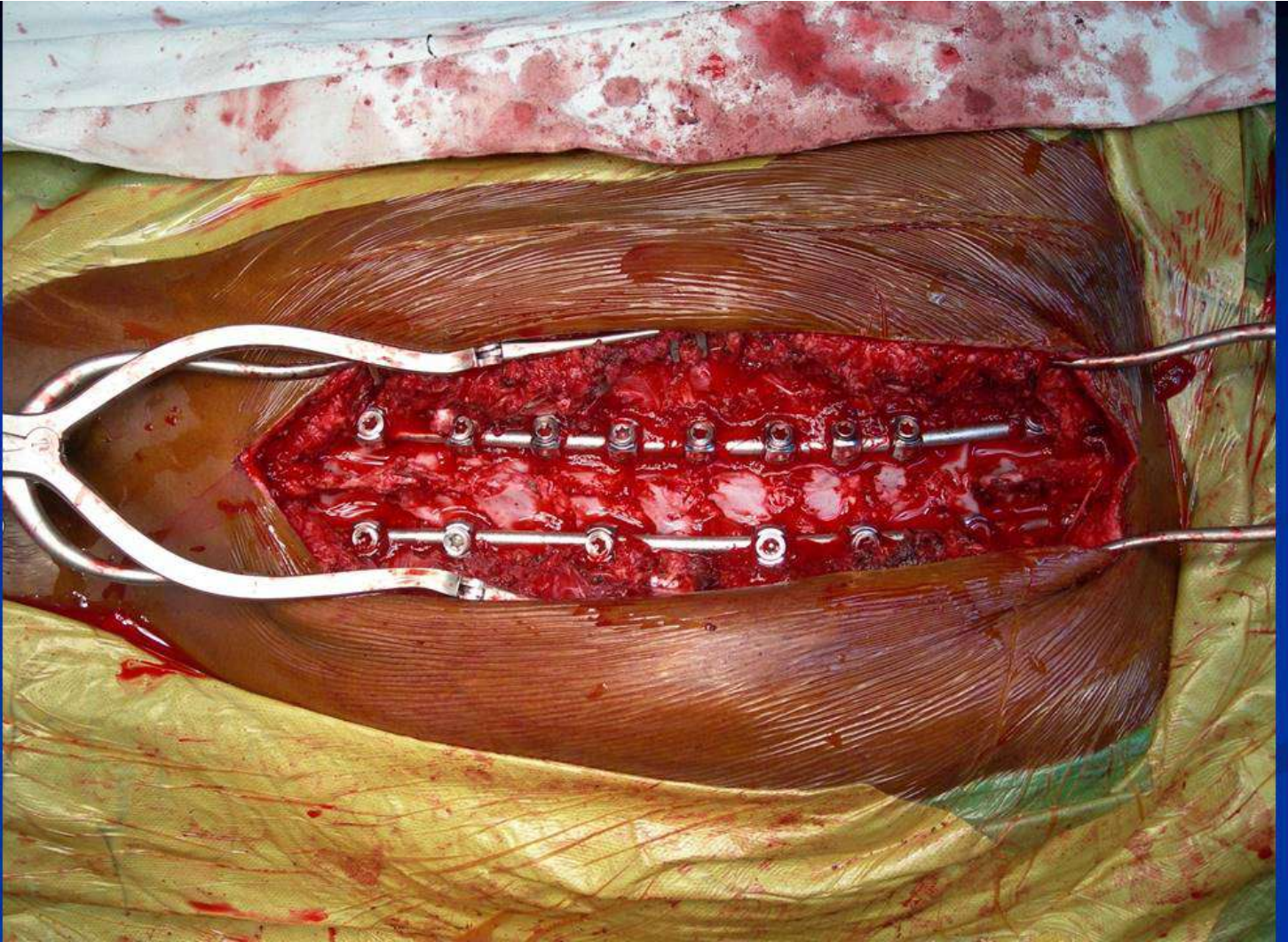


SPINE CLINIC

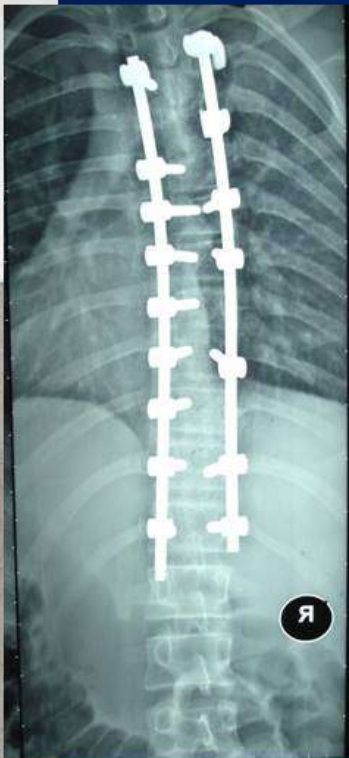








1st AIS MALE



POST OPERATIVE ROUNDS

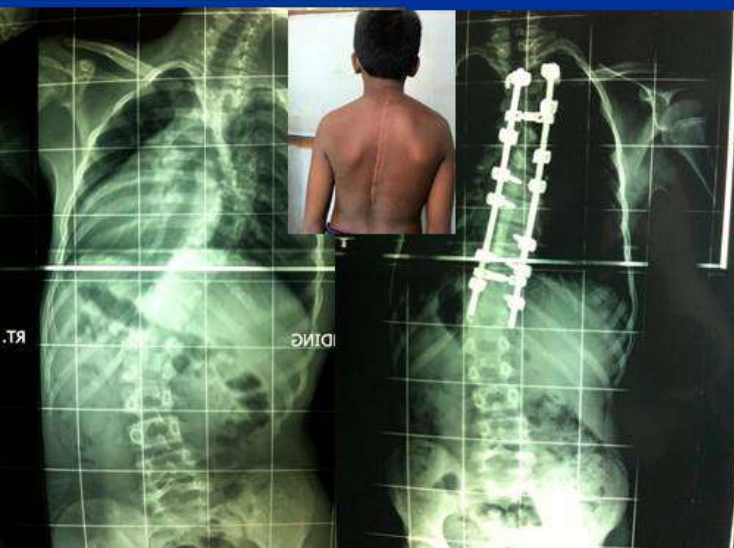


NOTABLE HIGHLIGHTS OF 'OPERATION STRAIGHT SPINE' (2006)

- First ever charitable project to provide spine surgery services to poor and underserved in India
- Performed first scoliosis correction surgery with pedicle screw instrumentation at RMSP hospital, Kolkata
- Used Bone Morphogenic Protein (BMP2) for spinal fusion for the first time in India
- State-of-the-art SSEP, MEP and EMG neurophysiological spinal monitoring techniques used for first time in India
- Featured on national DDNews TV program and "The Telegraph" & 'Hindustan Times' newspaper (2006)
- Conducted SPINAL SURGICAL SERVICES Symposium for Awareness
- Trained RMSP Orthopaedic residents and nursing staff in spine surgery and peri-operative care techniques

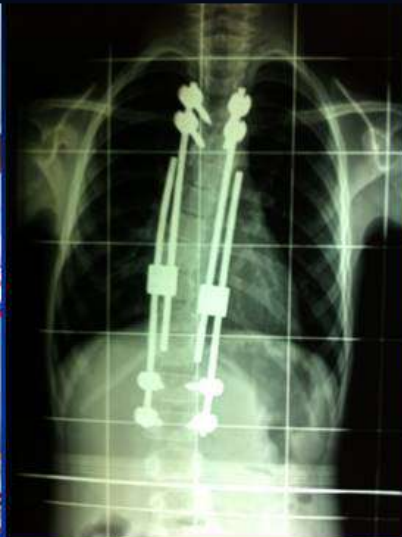


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53 cases (2006-2014)
Patients and family
Satisfaction – 100%





EARLY ONSET SCOLIOSIS
TREATED WITH GROWING RODS



Julie a 10 years old girl's success story

Julie was seen in OSS camp in Mar 2009 with quadriplegia due to tuberculous destruction of the upper cervical vertebrae and spinal cord compression.



She underwent the difficult Surgery for 6 hours under 'OSS'. She was later rehabilitated by HOPE FOUNDATION, Kolkata.



She is getting formal education and is performing on stage (Indian dances) with the fellow Girls from HOPE FOUNDATION.



FURTHER SUCCESS IN YOUNG CHILDREN



Ankit- now a five year old boy who was first seen when he was a nine month baby. His family could not afford any expensive treatment for his spinal problem. We followed him every six months for his vertebral deformity which he was born with. His spinal curvature progressed with high right shoulder. He underwent correction of his curvature with rods and hooks. He made a good recovery and going to school.



Ankita - presented to us with right leg weakness and loss of weight. Investigation suggested spinal tuberculosis (TB). She underwent operation for dorso-lumbar TB through back as well as abdomen. At the end of one year she is completely cured of her illness.



Bacchu - a 11 year old boy continued to progress with his lumbar (lower back) curvature due to a malformed vertebrae from birth. He had been treated with brace by local doctors . He could not afford surgical correction. He underwent a three hour surgery to remove the deformed vertebra and instrumented fusion to correct the spine alignment to normal for his age. He and his parents were grateful to us.

**1st SYMPOSIUM OF OSS @ RKMSP in 2007
UNDER LEADERSHIP OF PROF (DR) TAPAS CHAKRABURTTY**



"OSS" SYMPOSIUM IN DEC 2007



65y with TB LS Spine



2y/F with TB D12 paraparesis



15y with TB L2 Paraplegia





The President & Members of
Rotary Club of Calcutta South City
Rotary International District 3291



request the pleasure of your gracious presence to the project of "Operation Straight Spine" in association with SPRIT India on 17th February, Friday 2012, 6.30PM at Rotary Sadan.

Eminent Orthopedic & Spinal Surgeons Dr. Jeffrey R. Mc. Connell MD (USA) and Dr. Ujjwal K. Debnath FRCS (T&O), DM (Orth) India and UK along with a combined global team from USA, UK, Italy & India will be discussing on the topics.

On the occasion we proudly felicitate them for their dedicated service to humanity.

District Governor Elect **Uttam Ganguli** will be the Chief Guest.

Swami Satyadevananda (Secretary) RKMSM would be the Guest of Honour.

Dr. Brojen Gogoi (the man who Coordinated the development of Tata Medical Centre for Ratan Tata) would be our Special Guest

The function will be followed by Cultural Programme.

PP. Chitta Ranjan Ghosh
Director
Community Service

Tapas Kumar Mukherjee
Co-ordinator

Debashis Maitra
Secretary

Rajeev Chaturvedi
President



Rotary Club of South Kolkata felicitated Dr J R
McConnell and Dr U K Debnath on Feb 2012 for their
relentless service through OSS

15year old underwent spinal surgery for severe scoliosis in 2012 under OSS

After 9years she visited us with her husband with a straight back



HAPPILY MARRIED FOR LAST 3YEARS

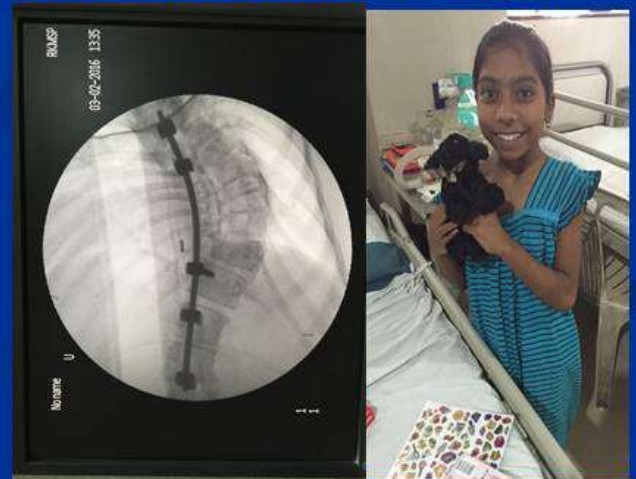




13year with severe spinal deformity
Had two consecutive surgeries in two years
Now she is doing well

OSS2016

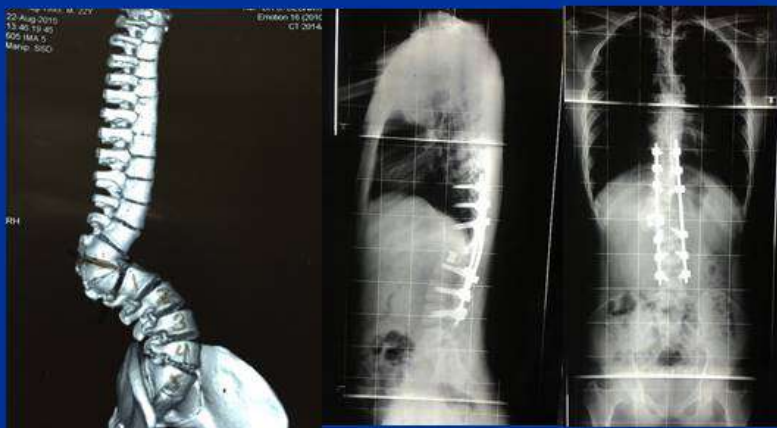
11 year old with congenital spinal deformity
From Bihar, had broken rod after
1st surgery 2014, currently she is well



OSS2016



14 y male with a T11 HV
with focal kyphoscoliosis



22 y male with congenital kyphoscoliosis, apex T12, 80°
kyphosis, early myelopathy, a HV at T7





**I PAY MY SINCERE TRIBUTE TO
Dr JEFFREY McCONNELL (USA) ,
& TEAM OSS (UK, USA & EUROPE)
TO DEVELOP THE DREAM CONCEPT
INTO A REALITY AS THE
GLOBAL OUTREACH
SPINAL SURGERY PROGRAM
FOR EASTERN REGION OF INDIA
FOR LAST 15years**

**WELCOMING YOU ALL TO JOIN HANDS IN
OPERATION STRAIGHT SPINE IN KOLKATA
In OSS 2020 & FUTURE**



**I THANK IPGMER & SSKM HOSPITAL
TO HOST OSS-20 UNDER CHAIRMANSHIP OF
PROF (DR) ANANDA K PAL & HIS TEAM
AT THE DEPT OF ORTHOPAEDICS, WHO I
BELIEVE WILL CONTINUE THIS PROGRAM
FOR YEARS TO COME IN FUTURE**