



## Medical Sciences

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### Largest marble-like brain tumour removal

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### LETTER FROM THE EDITOR

VIJAYA GHOSE  
EDITOR



### FOREWORD

VENKATESH KINI  
PRESIDENT  
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**S.C.L. Das**

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सचिव

Secretary



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*Dear Dr. Sinha,*

Please accept heartiest congratulations from the Govt. of NCT of Delhi to you and your team for successfully conducting landmark neurosurgery for removal of marble-like brain tumour, a unique feat of its kind in medical history.

We wish the Deptt. and GB Pant Hospital the very best for the future, and take this opportunity to renew our support for maintaining their high standards.

*With kind regards,*

Yours sincerely,

  
(S.C.L. Das)

**Dr. Sanjiv Sinha,**  
Director-Professor & Head Neurosurgery  
GB Pant Hospital



NEW DELHI, April 27, 2014



Patient Mohammed Sariq with his surgeon.

*Tumour which was successfully removed by doctors at G.B. Pant Hospital has also made it to the Limca Book of Records for its size.*

Till about late last year, 20-year-old Mohammed Sariq from a small village in Uttar Pradesh never thought that his constant headaches could be because of a marble-hard tumour which was occupying and compressing all major parts of his brain. This tumour which was successfully removed by doctors at the G.B. Pant Hospital here has also made it to the Limca Book of Records for its size.

“Such a large marble-hard brain tumour has never been reported in medical history till date. Also the surgery performed to remove a tumour this size has never been reported from India or anywhere else in the world as far as our literature search goes. This case has now been published in the Limca Book of Records 2014 in its latest edition,” said G. B. Pant Hospital Director-Professor and Head of Neurosurgery Dr. Sanjiv Sinha.

Giving details of the case, Dr. Sinha said the patient had come to the Hospital in November last year where the tumour was detected. “He was operated two days after Christmas last year and is now doing fine,” said Dr. Sinha.

“The operation was a major challenge because the removal of such a large tumour can lead to further brain damage and even death. The tumour was stone-hard and attached to major vessels and venous sinuses,” explained Dr. Sinha.

The patient went through excessive blood loss while the tumour was being removed which led to a sudden fall in his blood pressure. “This was managed by blood transfusion. Usually such large tumours require ultrasonic surgical aspirator for decompression but in this case it was removed with the help of a bone scalpel by cutting a part of the tumour in pieces and later the whole tumour was removed. The size of the tumour was 15cmx7cmx7cm excluding the part excised with bone scalpel which had dimension of 5cmx4cmx4cm,” said Dr. Sinha.

“The patient is now doing well and is relieved of headache. It is important to note that the headache should not be ignored and one should not take analgesics like analgin, brufen, aspirin without medical consultation. It may otherwise prove to be dangerous as in this case,” said Dr. Sinha.

Keywords: [Mohammed Sarig](#), [G.B. Pant Hospital](#), [tumour operation](#), [Limca Book of Records](#), [marble-hard brain tumour](#)

# GB Pant docs fight 'marble-like' tumour with 20-hr surgery

[Express News Service](#) | New Delhi | April 22, 2014 1:54 am



Dr Sanjeev Sinha with Sariq (left), who had a brain tumour operation. (PRAVEEN KHANNA)

## Summary

Surgery on 20-year-old from Uttar Pradesh makes it to Limca Book of Records

Doctors in Delhi government's G B Pant hospital removed a giant, "marble-like" tumour from the brain of a 20-year-old youth in a 20-hour surgery, making it to the Limca Book of Records in the medical science category this year to help us personalise your reading experience.

Mohammad Sariq, who hails from Deoria in Uttar Pradesh, had been suffering from intermittent headaches for nearly a decade. However, he learnt of the tumour only a couple of years ago when doctors finally advised him to take a CT scan.

"He has always had these episodes of dizziness and headaches. Local doctors would give him pain relievers. We finally took him to Lucknow in 2012, where we learnt that he had a tumour in his brain," Sariq's brother Abdul Bari said.

In Lucknow, he was referred to doctors in Delhi. It was in the capital that the doctors identified the unique nature of the tumour.

Doctors said the Sariq's "marble-like" tumour falls under the category of meningiomas. Tumours under this category comprise 10 per cent of brain tumours

According to doctors, Sariq's tumour was slow-growing and benign in nature, and measured 15x7x7 cm. It was of a highly calcified, bone-like material, which could not be removed with the help of radiofrequency waves — a procedure that is routinely used to remove brain tumours.

Dr Sanjiv Sinha, HoD of neurosurgery at GB Pant hospital, said, "The patient probably had this tumour for over a decade since he spoke of a history of frequent headaches. When he came to us, the tumour was so huge that his brain was bulging out."

Dr Sinha added that the material of the tumour, described as "marble-like" due to its extremely hard texture, added to the complexity of the case, resulting in a 20-hour long marathon surgery.

"Unlike normal tumours, this had become bone-like in texture. So we acquired an instrument called a bone scalpel, to chip it away, while using radiofrequency waves to break it down," Dr Sinha said.

Doctors said the surgery took nearly a month to prepare for. “There was so much pressure inside the skull, that we could not replace the skull bone we removed along with the tumour. We had to replace parts of his skull with an artificial bone flap made of acrylic cement after removing the tumour — a process called cranioplasty,” Dr Anita Jagetia, associate professor of neurosurgery, said.

Doctors said there was a lot of blood loss. Though Sariq had to be put on the ventilator for seven days after the surgery, doctors said his recovery has been smooth after that.

Sariq’s father has since been operated for a similar benign tumour in his spine, and doctors are now conducting genetic tests to see if there is a hereditary link to the tumours.

**hindustantimes.com**

Hindustan Times (Delhi) Mon, 21 Apr 2014  
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## **GB Pant remove large brain tumour, reach Limca book of records**

NEW DELHI: The doctors at a state government-run superspecialty hospital have found their names in the latest edition of the Limca book of records for removing an unusually large and hard marble-like tumour from inside the brain of a 20-year-old man.

A team of five doctors, headed by the director and head of the neurosurgery department, Professor Sanjiv Sinha, at GB Pant Hospital, operated upon Mohd. Sariq for close to 20 hours to remove the hardened tumour in 2012.

Sariq, a resident of Deoria’s Nawalpur in Uttar Pradesh, was referred to the GB Pant hospital in November 2012 from a hospital in Lucknow.

“He had a history of frequent headaches. He would take medicines but it would not provide any relief. He first went to a hospital in Lucknow, where on investigation, his CT and MRI scan suggested that a huge brain tumour was occupying and compressing all major parts of his brain,” said Dr Sinha.

“It was a large, bony marble-like brain tumour, measuring 15×7×7 cm. We normally use radio-frequency to break down tumours in brain and then suck it out using equipment. But in Sariq’s case, the tumour was so hard that it would not break,” said Dr Sinha.

Doctors had to use equipment needed to remove hard bony structures of the body to cut the tumour.

The surgery was extremely complex and posed a huge challenge before the surgeons as the removal of such a huge tumour through surgery is very difficult and there is a high possibility of permanent disability and even death after the surgery. There is also a possibility that the tumour is only removed partially, which defeats its very purpose.

**“Such large marble like brain tumour has never been reported in medical literature till date. We waited for the patient to feel better to make the official announcement of the record,” added Dr Sinha. Sariq has made a smooth recovery, and the doctors are hopeful that it is just a matter of time before he gets back to near normal.**