



SURGICAL, ORTHOPEDIC, NEUROSURGICAL INSTRUMENTS & HOSPITAL EQUIPMENTS

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To whom it may concern,

The test was conducted at Shinshu University hospital on April 21.,2009 to see how "Sugita" aneurysm clip is affected under 3 Tesla MRI operation.
Below is summary to report its result.

Note

MRI model name used :
MAGNETOM Trio A Tim System (SIEMENS).

Clip type used :
Sugita Elgiloy Clip
Sugita Titanium Clip
Sugita Titanium 2 Clip

Contents :
A deflection of clip under 3 Tesla operation.

Purpose :
To verify whether safety can be secured, regardless of the position in which the MRI taking picture can usually be assumed, by experimenting in several places in the gantry in all places in MRI under the device operating.

Consideration:
It is verified that its deflection regardless of type of each material and shapes in several places is less than 45 ° which is defined by ASTM F2052-06, while the jig made for investigation is set in several position in the gantry under 3 Tesla MRI operating.

In the conclusion, even when 3 Tesla MRI is handled in improper position, it was confirmed that our "Sugita" aneurysm clip may be used safely.

Yours Sincerely

Mizuho Ikakogyo Co.,Ltd
Director of Engineering
Teruo Hoshi
1st May.,2009