A 31-year-old man presented with basilar aneurysm noted on high-resolution MRI (HR-MRI), which showed thrombosis and aneurysmal wall enhancement (figure, A and B). 4D-flow MRI revealed a vortex near the aneurysm ostium and slow flow in the aneurysm, which may suggest low rupture risk (video and figure, C and D). However, the aneurysm ruptured after 1 month of conservative treatment. Hemodynamics are important to aneurysm formation and rupture. In the aneurysm prerupture state, slow flow and thrombosis may promote inflammation, demonstrated as aneurysmal wall enhancement, and expedite aneurysm rupture. HR-MRI and
4D-flow MRI could be combined to identify dangerous aneurysms that mandate prompt intervention.

**Study Funding**
This work was supported by the Natural Science Foundation of China (81771233 and 81901197), the Natural Science Foundation of Beijing, China (7142032), the Specific Research Projects for Capital Health Development (2018-2041), Beijing Science and Technology Planning Project (Z181100009618035), and Beijing Municipal Administration of Hospitals’ Ascent Plan (DFL20190501).

**Disclosure**
The authors report no disclosures relevant to the manuscript. Go to Neurology.org/N for full disclosures.

---

**Appendix**

**Authors**

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fei Peng, MS</td>
<td>Capital Medical University, Beijing</td>
<td>Study concept and design</td>
</tr>
<tr>
<td>Miaoqi Zhang, BE</td>
<td>Tsinghua University, Beijing</td>
<td>Acquisition and interpretation of data</td>
</tr>
<tr>
<td>Hao Niu, MS</td>
<td>Capital Medical University, Beijing</td>
<td>Acquisition and interpretation of data</td>
</tr>
</tbody>
</table>

---

**References**

Teaching Video NeuroImages: Wall Enhancement With Slow Blood Flow and Thrombosis Prior to Basilar Aneurysm Rupture
Fei Peng, Miaogi Zhang, Hao Niu, et al.
Neurology 2021;96:e962-e963 Published Online before print September 11, 2020
DOI 10.1212/WNL.0000000000010820

This information is current as of September 11, 2020