## Multiple aneurysm

Multiple aneurysms, also known as multiple intracranial aneurysms, refer to the presence of multiple aneurysms within the blood vessels of the brain. This condition can occur in individuals who are predisposed to aneurysm formation or who have certain risk factors.

When multiple aneurysms are present, it is important to evaluate each aneurysm individually to determine its size, location, and risk of rupture. The treatment approach will depend on several factors, including the size, location, and overall health of the patient.

Treatment options for multiple aneurysms may include:

Observation: If the aneurysms are small in size, stable, and not causing any symptoms, the doctor may choose to monitor them closely with regular imaging tests. In such cases, the patient may be advised to make certain lifestyle modifications to reduce the risk of rupture, such as managing blood pressure and avoiding smoking.

Surgical Clipping: This is a traditional surgical technique where a small metal clip is placed around the neck of the aneurysm to block blood flow and prevent rupture. Surgical clipping is generally performed for larger aneurysms or those located in accessible areas of the brain.

Endovascular Coiling: This minimally invasive procedure involves threading a catheter through the blood vessels to reach the aneurysm. Tiny platinum coils are then placed inside the aneurysm to promote clotting and prevent blood flow, reducing the risk of rupture. Endovascular coiling is suitable for certain types and sizes of aneurysms.

Flow Diversion: This relatively newer technique involves placing a stent-like device called a flow diverter in the parent artery adjacent to the aneurysm. The flow diverter alters blood flow dynamics, promoting the formation of a clot within the aneurysm and reducing the risk of rupture. Flow diversion is often used for complex or wide-necked aneurysms.

The treatment decision for multiple aneurysms is complex and requires a thorough evaluation by a neurosurgeon or interventional neuroradiologist. The selection of the most appropriate treatment approach will depend on factors such as the size, location, and overall condition of the aneurysms, as well as the patient's age and medical history.

Mirror aneurysms are a rare subtype of multiple aneurysms, located in identical or adjacent arterial segment bilaterally.

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