

## **Intraoperative Rupture During Cerebral Aneurysm Clipping Surgery: Pearls and Pitfalls**

Krisna Tsaniadi Prihastomo

Indonesia

### **Purpose:**

- To identify the incidence of intraoperative rupture during clipping surgery - To identify which steps and what maneuver could cause the intraoperative rupture - To identify what kind of measurements to tackle intraoperative rupture

### **Methods:**

Retrospective analysis of patient underwent clipping surgery from 2019 to 2022, 8 cases of intraoperative rupture out of 72 cases.

### **Results:**

During surgery, 5 cases were ruptured during dissection phase, 3 cases during clip application. Most probable cause of rupture during dissection phase was the lack of proximal control. During the clip application, inadequate neck visualization most likely cause intraoperative rupture. Technical management of these complication includes direct proximal control, pilot clipping and temporary finger tamponade due to excessive blood without adequate suction.

### **Conclusions:**