

### عنوان مقاله:

growth of a cerebral aneurysm under pulsatile flow condition; effect of hypertensive blood pressure

### محل انتشار:

هفدهمین کنفرانس سالانه مهندسی مکانیک (سال: 1388)

تعداد صفحات اصل مقاله: 6

### نویسندگان:

malikeh nabaie - *ph.D candidate amirkabir university of technology*

nasser fatoueaee - *assistant professor*

### خلاصه مقاله:

The mechanics of cerebral aneurysm pathogenesis, evolution and rupture are not yet well understood. This paper presents a numerical investigation of the initial stages of the growth of a saccular cerebral aneurysm in a 3D model of the basilar artery bifurcation under physiologically pulsatile normal and hypertensive blood pressure conditions.

### کلمات کلیدی:

.cerebral aneurysm, basilar artery , progression , hypertension, fluid structure interaction

### لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/90633>

