Stroke is the brain damage due to disturbance in the blood supply to the brain. It was known that inflammatory events play a role in the stroke pathophysiology. Local inflammation caused by periodontal diseases may result in endothelial dysfunction and atherosclerosis by increasing the level of systemic pro-inflammatory cytokines. There are some evidences that periodontal diseases may play a role in the development of stroke just like other acute inflammatory diseases. This review assessed recent evidences regarding the relationship between stroke and periodontal disease.