

## Cadasil case with distal arteriopathy: A typical Cadasil

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### Abstract

Cerebral autosomal dominant arteriopathy with subcortical infarcts and leucoencephalopathy (CADASIL) is the most common heritable cause of stroke and vascular dementia in adults that caused by mutations in the Notch-3 gene on chromosome 19q12 encodes. Clinical manifestations such as Stroke, migraine with aura, Psychiatric problems, seizures, and vision problems accrue due to brain's vasculopathy, neurodegeneration, and immune system reaction. Although the Notch3 gene mutation happens not only in the brain's vascular smooth muscle cells but also in all the cells and all systemic vessels show deposition of Granular osmiophilic material (GOM), According to studies, pathological changes occur mainly in the brain, heart, liver, lungs, spleen, skin, and testes. But lower limb artery involvement has not been reported yet. Here we report a 36 years old man with lower limb arteriopathy which was confirmed the diagnosis of CADASIL by neuroimaging and genetic analysis for Notch-3 mutation.



### Biography:

Dr. Vahideh Nasr has completed her Doctor of medicine from Shahid Beheshti University of Medical Sciences, Tehran, Iran (GPA=A-) and encouraged as the Exceptional Talents. She is the Member of the Scientific committee of the second Stem Cell Congress in Medicine, Ministry of Health and Medical education in Iran. She is Project Director in Clinical Trial entitled "mesenchymal Stem Cell Therapy in Traumatic Brain Diffuse Axonal Injury" and "Allogenic Stem Cell Therapy for CADASIL patient: first clinical Case Report".

### Speaker Publications:

1. "Gold Nanoparticles Supported on Carbon Derived from Solid Olive Waste for Epoxidation of Cyclooctene"; Asian J. Chem. / 2018 / 30(8) /pp 1731-1735
2. "Adsorption, kinetic and thermodynamic studies of safranin and methylene blue on a novel adsorbent based on phosphorylated sawdust"; Desalination and Water Treatment/ Vol 151 (2019) 199–211
3. "Green synthesis of spongy Nano-ZnO productive of hydroxyl radicals for unconventional solar-driven photocatalytic remediation of antibiotic enriched wastewater"; Journal of Environmental Management/ Vol 271, 2020, 110961.
4. "Sulphydryl functionalized activated carbon for Pb(II) ions removal: kinetics, isotherms, and mechanism"; Journal of Separation Science and Technology/ Vol 55, 2020- Issue 7
5. "Recyclable glutaraldehyde cross-linked polymeric tannin to sequester hexavalent uranium from aqueous solution"; Journal of Molecular Liquids/ Vol 281, 2019, Pages 29-38.

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