Cigarette smoking is more prevalent in patients with brain arteriovenous malformations compared to general population: a cross-sectional population-based study

Study setting
n = 277
- Patients with brain arteriovenous malformation (AVM)
- Over 18 years of age
- Smoking measured during admission

SMOKING PREVALENCE?
AVM Patients vs General population

Results
Age, sex and admission year matched prevalence

The percentage of smokers:
48% (Patients) vs 19% (Population)

Conclusions
- First evidence of association between smoking and AVM patients
- Smoking possibly related to AVM etiology?
- More research needed!

Reproduced from Anni Pohjola, BM, Joni V Lindbohm, MD, PhD, Elias Oulasvirta, MD, Ahmad Hafez, MD, PhD, Päivi Koroknay-Pál, MD, PhD, Aki Laakso, MD, PhD, Mika Niemelä, MD, PhD, Cigarette Smoking Is More Prevalent in Patients With Brain Arteriovenous Malformations Compared to General Population: A Cross-Sectional Population-Based Study, Neurosurgery, Volume 87, Issue 6, December 2020, Pages E657–E662, https://doi.org/10.1093/neuros/nyaa281 with permission from the Congress of Neurological Surgeons.