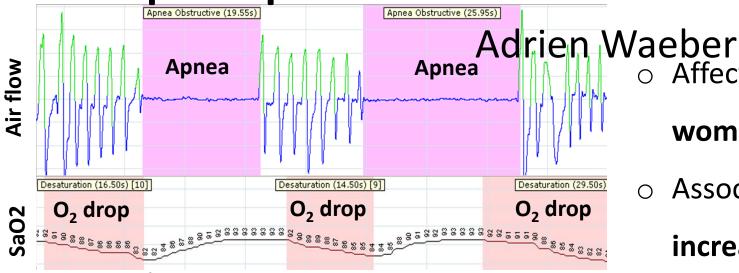
Obstructive Sleep Apnea (OSA) Physio-pathological determinants of pulse wave variations in

apneic patients: a crossover interventional study



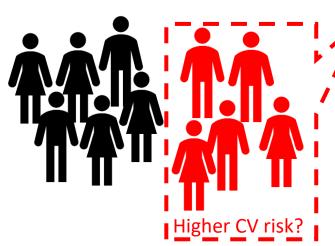
 Affects up to 49% of men and 23% of **women** > 40 y.o

 Associated with sleepiness and increased long-term cardiovascular risk

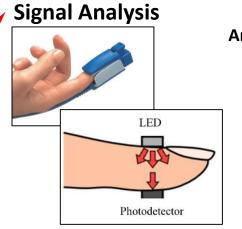
Centre hospitalier

OSA Patients

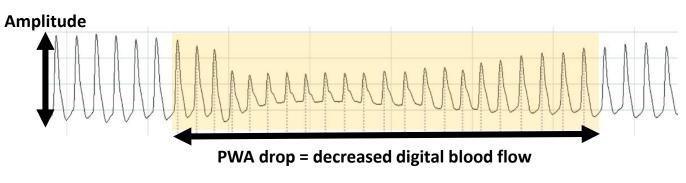
Who should we treat?



Pulse Oximeter



Pulse Wave Amplitude (PWA)

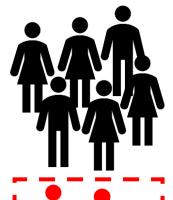






Prospective Observational Study

~ 2000 OSA patients, 10 years follow-up



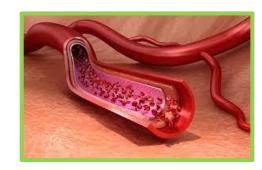
Physiologic PWA variations



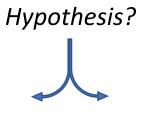




What physio-pathological mechanisms determine the variation of nocturnal pulse wave amplitude in apneic patients?



Vascular Dysfunction





Autonomic Nervous System Dysfunction



What physio-pathological mechanisms determine the variation of nocturnal pulse wave amplitude in apneic patients?

