Air pollution and noise from road traffic: acute effects in young healthy subjects

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Introduction

- Asthmatic patients in London (Oxford Street versus Hyde Park): McCreanor J et al. Respiratory effects of exposure to diesel traffic in persons with asthma.N Engl J Med. 2007 Dec 6;357(23):2348-58.
- KHK patients and inflammatory markers Mirowsky JE et. Al. Ozone exposure is associated with acute changes in inflammation, fibrinolysis, and endothelial cell function in coronary artery disease patients. Environ Health. 2017 Nov 21;16(1):126.
- Diabetics and exhaled NO Li H et al. Acute effects of ambient temperature and particulate air pollution on fractional exhaled nitric oxide: A panel study among diabetic patients in Shanghai, China. J Epidemiol. 2017 Dec;27(12):584-589
- Healthy subjects?
 YodaY et al. Acute effects of air pollutants on pulmonary function among students: a panel study in an isolated island. Environ Health Prev Med. 2017 Apr 4;22(1):33.









слроботе			1 hour values each. P always < 0.001		
	AKH	PM10	PM2.5	PM1	PN
AKH		0.9367	0.9604	0.9627	0.7698
PM10	0.9367		0.9710	0.9653	0.7624
PM2.5	0.9604	0.9710		0.9994	0.7313
PM1	0.9627	0.9653	0.9994		0.7231
PN	0.7698	0.7624	0.7313	0.7231	
PM2.5 = 1.5 PN = 484 PM10(AKH)	4.7116*AKH + 4 4.7116*AKH + 18 = 28.0 μg/m ³ ±	226977*ROAD 8536.06*ROAD 26.5 (5-95)	- 7.288967 (p ₁ ,) - 1361.221 (p ₁ ,)	$p_3 < 0.001, p_2 = 0.001, p_3 = 0.001, p_3$	016; adj R²= 0.924 0.163; adj R²=0.82
PM2.5 = 38. PN = 21347	$7 \mu g/m^3 \pm 43.5$ (8/cm ³ + 18826 5	2-146)	6) Not int		
114 - 21547.	.o/ cm ± 10020.5	(+1)0.)-0005).	0)		Winter - Spring
1 E minutos i	intervals: PM2.5	and dB (ambie	nt): r = 0.259	5	
T3 minutes i	20052400040				























































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