

INCOL

ISPESL

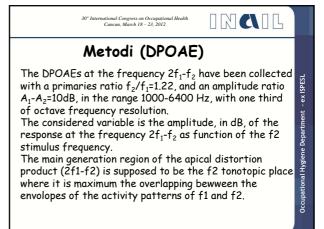
Methods (DPOAE)

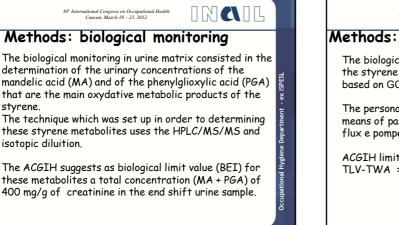
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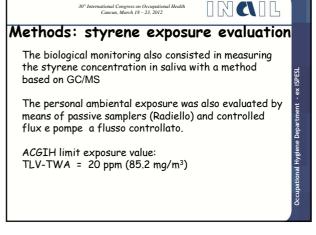
• The preliminary results of an experimental campain are presented. Data have been collected in a factory of glass reinforced plastic products close to Perugia in the Centre of Italy.

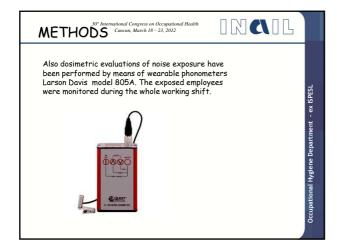
•The cochlear functionality was monitored at the beginning and at the end of the work shift in a sample of exposed workers by means of tests based on the registration of otoacoustic emissions.

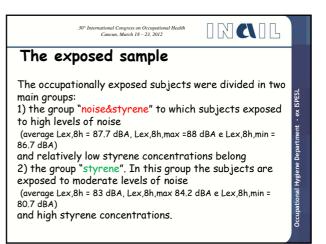
•Both transiently evoked otoacoustic emissions (TEOAEs) and distortion products otoacoustic emissions (DPOAEs) Have been measured by means of the portable ILO292 (Otodynamics, Ltd) system.

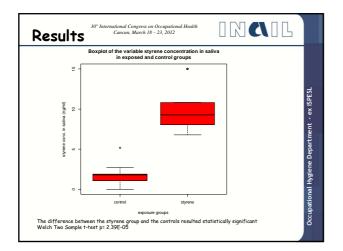


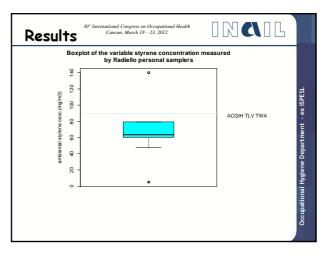




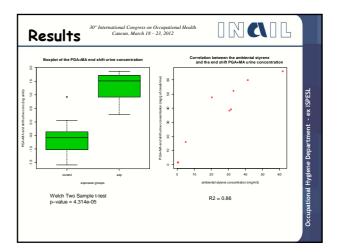


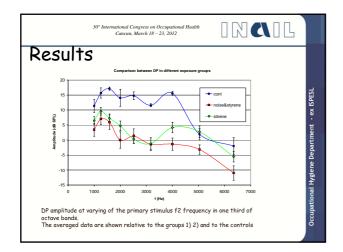


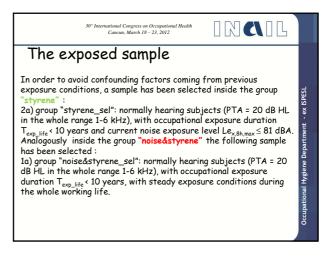


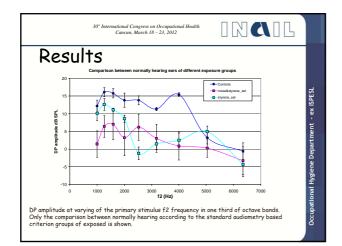


	PGA+MA conc (mg/g of creatinine)	Average	max	min	standard dev	1
Group "styrene"	Shift beginning	62.6	93.3	30.7	19	
	Shift end	107.1	162.6	43	42	
Group "styrene&noise"	Shift end	6.2	3.7	8.7	2.6	rene"
controls		2.0	17.3	0.1	4.9	









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Res	sult	S										
Result of a Student's test (significance criterion pr0.05) relative to the comparison between the different exposure groups.												
f2 (Hz)	1000	1260	1587	2000	2520	3175	4000	5040				
t-test Cont	0.028343	0.017021	0.08862	0.085507	0.087583	0.075677	0.007953	n.s.				
"noise&styre ne sel"												
t-test Cont	n.s.,	n.s.	0.027998	0.077849	0.000113	0.001195	0.001038	n.s.				
"styrene_sel"												
The com statistic	parison be ally signifi	tween "nois cant in the	eåstyrene_ whole frequ	sel" and "s Jency range	tyrene_sel"	groups resu	ilted not	n.s.				

