

Association of patient safety with workplace relationships and quality in pediatric operating rooms, Athens, Greece

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| Objectives

We aimed at exploring the relationship between patient safety and workplace relations and quality as perceived by health workers in children's hospital operating rooms.

| Methods

Between May and June 2018, health professionals working in the operating rooms at pediatric hospitals located ($n=3$) in Athens, Greece were invited to self-complete an *ad hoc* short questionnaire. This consisted of two items on patient safety, four items on colleague relationships and two items on workplace quality. The questions displayed a scale of answer options from 1 to 10. Ethical issues were addressed. Multiple linear regression was used to explain the relationship between the aforementioned domains. A p value of less than 0.01 was considered statistically highly significant. R software programme was used for statistical analysis.

| Results

A total of 181/252 (72%) operating room health workers fully completed the questionnaire. Their median age was 47 years. As shown in **Table 1**, operating room professionals' perception of patient safety was strongly, positively associated with colleague relationships as well as workplace quality.

| Conclusions

Pediatric operating room professionals in Greece recognised the imperative of positively connecting workplace interpersonal relations and quality to pediatric patient safety. In line with this, healthcare leaders need to further promote patient safety through health professional staffing, focusing on conflict resolution and quality management.

Table 1. Factors influencing operating room health professionals' perception of pediatric patient safety

Factors influencing perceived patient safety	Adjusted R ²	F	d.f.	p
		0.33	43	178
	beta	95% Confidence Interval	t	p
Colleagues relationship	0.22	0.06 – 0.38	2.65	0.009
Workplace quality	0.48	0.33 – 0.62	6.61	<0.001
Constant	3.35	2.09 – 0.61	5.25	<0.001