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YAŞAMSAL TEKNOLOJİ



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Frequency and distribution of emergency surgeries in Adiyaman Province

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INTRODUCTION: Emergency anesthesia is the anesthesia procedure applied during an unplanned surgery. To succeed in emergency anesthesia, attention should be paid during evaluation and preparation process; indefinite problems at initial evaluation should not be underestimated; priorities of the treatment should be defined; surgery should be performed as soon as possible if the patient's physiological status permits; fluid, electrolytes, and acid-base management should be planned according to patient's needs, and postoperative pain management should be well coordinated.
PURPOSE: Aim of this study was to determine frequency and distribution of surgeries performed after admission to emergency clinic in Adiyaman province..
METHOD: After we obtained approval from Ethics Committee (29.01.2015,57831858/4) patients who had emergency surgery at operating theater of Adiyaman University Research and Education Hospital between 01.01.2014 and 31.12.2014 were retrospectively evaluated. Age, sex, diagnosis, operating clinic, anesthesia method applied, and date of surgery were recorded.
FINDINGS: Data of a total of 583 patients were evaluated. Among them 370 (63,5%) were males and the rest were females. The branches that most commonly performed surgeries were general surgery, pediatrics, orthopedics, and brain surgery. Distribution of emergency surgeries according to branches is given in Table 1. Anesthesia was applied by endotracheal intubation in 96.4%, laryngeal mask (LMA) in 1.2%, spinal anesthesia in 2.2%, and regional intravenous anesthesia (RIVA) in 0.2% of the patients. Evaluation of seasonal variation of emergency operations revealed that the cases were most common in summer and least common in winter.
DISCUSSION: Determination of emergency surgery profile of a province will allow surgeons to be ready for possible cases, and for the patients to be operated in better conditions.
CONCLUSION: In Adiyaman province emergency surgeries were ≥500/year. The branches that most commonly performed surgeries were general surgery, pediatrics, orthopedics, and brain surgery. Emergency operations were most commonly performed in summer months.

Distribution of surgeries according to surgery clinics

Clinic	Number of operations	Male	Female	Age (years)
General Surgery	314 (53,9)	186 (50,3)	128 (60,1)	34,31 ± 15,00
Pediatric Surgery	187 (32,1)	124 (33,5)	63 (29,6)	10,04 ± 4,35
Orthopedics	47 (8,1)	36 (9,7)	11 (5,2)	22,68 ± 22,09
Brain Surgery	25 (4,3)	21 (5,7)	4 (1,9)	40,52 ± 23,46
Chest Surgery	6 (1,0)	0 (0)	6 (2,8)	6,00 ± 5,72
Plastic and Reconstructive Surgery	3 (0,5)	2 (0,5)	1 (0,3)	21,33 ± 8,08
Urology	1 (0,2)	1 (0,3)	0 (0)	7,00

Values inside parenthesis refer to percentages