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Research Article

PATTERN OF INJURIES REGARDING EAR, NOSE, THROAT & HEAD & NECK IN PATIENTS PRESENTING IN ACCIDENT & EMERGENCY DEPARTMENT

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Abstract:

***Objective:** To examine design of wounds concerning Ear, Nose, Throat in addition Head and Neck, in cases offering in accident also emergency subdivision. Character of ENT squad in administration of these wounds.*

***Material and Methods:** The current research remained showed in accident also emergency section of Lahore General Hospital Lahore, Pakistan from January 2018 to April 2019. Apiece case offering to emergency remained appeared through ENT team laterally by fatality medical officer. Cases of altogether ages, mutually man also woman, counting kids, damages at area of Face, Nose, Ear, Throat also neck.*

***Results:** Entire quantity of emergency cases remained 250,680. 46,450 remained through past of trauma. 6,400 cases remained listed. 81% remained man also 19% woman, 67% stayed grownups, 18% offspring also 22% old aged. 43% obtainable by road traffic accidents, 22% through past of attacks, 19% through gunshot wounds, 13% through sports wounds, 7% through reduction from tallness in addition 4% by various disturbance. In 46% of patient face remained complicated through damage, 27% nasal wound, 16% by oral cavity wound, 12% by neck shock then 7% by ear wound. 12% of cases remained transported in actual dangerous national. Cases through main wounds remained hurried to process for main emergency process. 9% of cases essential tracheostomy for moreover GA before to protected airway. 3 cases essential cricothyrotomy as lifesaving approach. 6% of patient essential interior jugular vein ligation. 8 patients had established carotid vessel wound in that 5 respondents remained effectively mended by aid of vascular physician, nonetheless inappropriately 4 patients couldn't remain protected owing to enormous blood damage. These cases who remained functioned, they remained acknowledged till appropriate to carry out day-to-day actions.*

***Conclusion:** Wounds in areas of ENT in addition head and neck establish main share of emergency cases. The wounds comprise from slight scrapes that necessitate humble bandage to lacerated neck that needs emergency neck exploration. ENT squad in emergency subdivision has extraordinary character for administration of disturbance patients.*

***Key words:** Tracheostomy, Head in addition Neck trauma, cricothyrotomy, internal jugular vein ligation.*

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INTRODUCTION:

To examine design of wounds concerning Ear, Nose, Throat in addition Head and Neck, in cases offering in accident also emergency subdivision. The character of ENT squad in administration of these wounds [1]. ENT injuries are the most outstanding display of emergency visits in the world, especially in our schedule. In Pakistan, virtually 27.7% of patients are infected with ENT wounds, which is a relatively higher rate than definite, such as 12-28%. In Pakistan, the concise findings and treatments are the major viewpoints in emergency patients that reduce horror and mortality [2]. Due to the increasing everyday nature of traffic accidents, industrial disasters, head and neck emergencies, a test for ENT authorities in emergencies speaks for itself. In his study, the most progressive problems were 87% facial axillary damage, 87%, and 6.3% outside the body [3]. In adolescents, their curious and explorative nature gives them greater opportunities to absorb distant bodies. Plastic toys, metals, coins and bones are regularly the particles ingested by adolescents. External bodies are avoidable causes and care among gatekeepers and parent figures should be strengthened in relation to the wealth of administrators [4]. The connections between the various evaluations have shown that nasal facial injuries and, in addition, increasing accidents with road vehicles occur again and again, which is usually directly attributable to the ruthlessness and tactlessness of the driver and the terrible condition of the lanes. Government trials with data are needed and the prospect of improved lanes among people is also essential to take the appropriate steps for possible setbacks. Our research should, as such, recognize the extent of the ENT problem that occurs in emergencies in order and incidentally to address diligent people for ordinary presentations [5].

METHODOLOGY:

The current research remained showed in accident also emergency section of Lahore General Hospital Lahore, Pakistan from January 2018 to April 2019. Apiece case offering to emergency remained appeared through ENT team laterally by fatality medical officer. Cases of altogether ages, mutually man also woman, counting kids, damages at area of Face, Nose, Ear, Throat also neck. Consent was obtained from the patient or family. Each patient who was familiar with the emergency was visited by an ENT association near the Difficulty Therapy Authority. We included 6,400 patients who were selected and recruited from 46,460 damage patients shown in the emergency. Patients who were all considered, both male and female, including adolescents or newborns, and old patients were also merged. Wounds in the facial-nose-ear and

neck area were also included in the study. Patients with damage, body parts other than maxillofacial and people presented twice due to relative discomfort were excluded from the study. The consent was obtained from the patient or the patient's expert. Patients were searched from the outset for the rules of damage management in flight course breathing and course, point by point anamnesis, head and neck evaluation, and ENT evaluation along with crucial evaluation. The tests were completed with chest x-rays, figurative tomography and MRI. If an emergency frame was required by the emergency care, such as fixation of fragile tissue, removal of upper or nasal bone, and tracheostomy. In addition, knowledge was gained in neurosurgery, oral and maxillofacial surgery, plastic medicine and ophthalmology.

RESULTS:

Entire quantity of emergency cases remained 248,680. 46,450 remained through past of trauma. 6,400 cases remained listed. 81% remained man also 19% woman, 67% stayed grownups, 18% offspring also 22% old aged. 43% obtainable by road traffic accidents, 22% through past of attacks, 19% through gunshot wounds, 13% through sports wounds, 7% through reduction from tallness in addition 4% by various disturbance. In 46% of patient face remained complicated through damage, 27% nasal wound, 16% by oral cavity wound, 12% by neck shock then 7% by ear wound. 12% of cases remained transported in actual dangerous national. Cases through main wounds remained hurried to process for main emergency process. 9% of cases essential tracheostomy for moreover GA before to protected airway. 3 cases essential cricothyrotomy as lifesaving approach. 6% of patient essential interior jugular vein ligation. 8 patients had established carotid vessel wound in that 5 respondents remained effectively mended by aid of vascular physician, nonetheless inappropriately 4 patients couldn't remain protected owing to enormous blood damage. These cases who remained functioned, they remained acknowledged till appropriate to carry out day-to-day actions. The hard and fast number of emergency patients was 248,700, 46,450 of whom reported damage history. 6,400 patients were admitted. 81% (n=5060) were humans and 22% (n=1350) women. There were 66% (n=4,100) adults (age > 15-55 years), 17% (n=7,460) children (age >2yr-16 years) and 22% (n=1,280) old developed (age > 55 years) (Figure 1). The purpose behind the setbacks was n= 2,560 (41%) gave road vehicle accidents, n= 1,350 (23%) with the history of attacks, n=1,155 (19%) with gunshot wounds, n=770 (14%) with play wounds, n=386 (7%) with falls from heights and n=198 (4%) with accidental damage (Figure 2). In (n=2,820) 45% of the

case, the face was associated with damage, 27% (n=1,670) with nose damage, 16% (n=920) with mouth hole damage, 12% (n=660) with neck damage and (n=390) 7% with ear damage. 70% (n=3,870) of the patients received mild injuries with GCS 17/17 and were generally consistent. Minor injuries fuse abrasions or minor cuts, epistaxis, ear canal, nasal damage, contusions, septal hematoma. Approximately (n=1,950) 32% of patients with moderate damage. Patients with moderate injuries required medical treatment, essential examinations were performed and submitted for 24-hour monitoring. Patients with severe injuries were blown up to movement theatre for a

remarkable emergency system. Of 10% (n=560) of the patients required a tracheostomy either for general anesthesia or to confirm flight progress. Approximately n=4 (0.05%) patients required a tricot thyrotomy as a life-saving technique. Approximately n=5 (0.07%) of the cases required within the cervical vein ligation. n=9 (0.3%) cases had resulted in carotid artery damage, with n=6 cases being viably repaired with vascular authority, but severe n=5 cases could not be saved due to severe blood shortage. The patients who were working were handed over until they were fit to train every day.

Table 1:

kind of Wound	Incidence (%)
Minor wounds	30% (n=1918)
Modest wounds	10% (n=640)
Spartan / dangerous wound	60% (n=3835)

Figure 1:

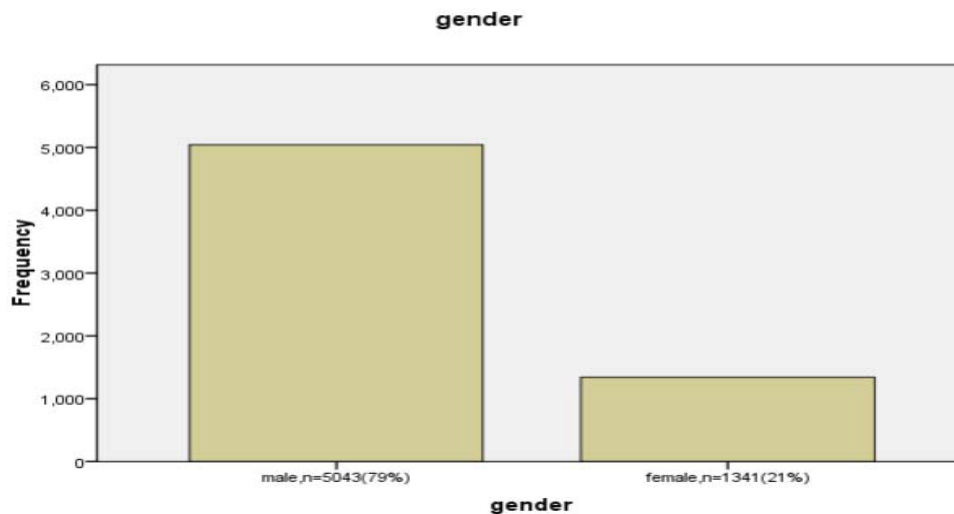
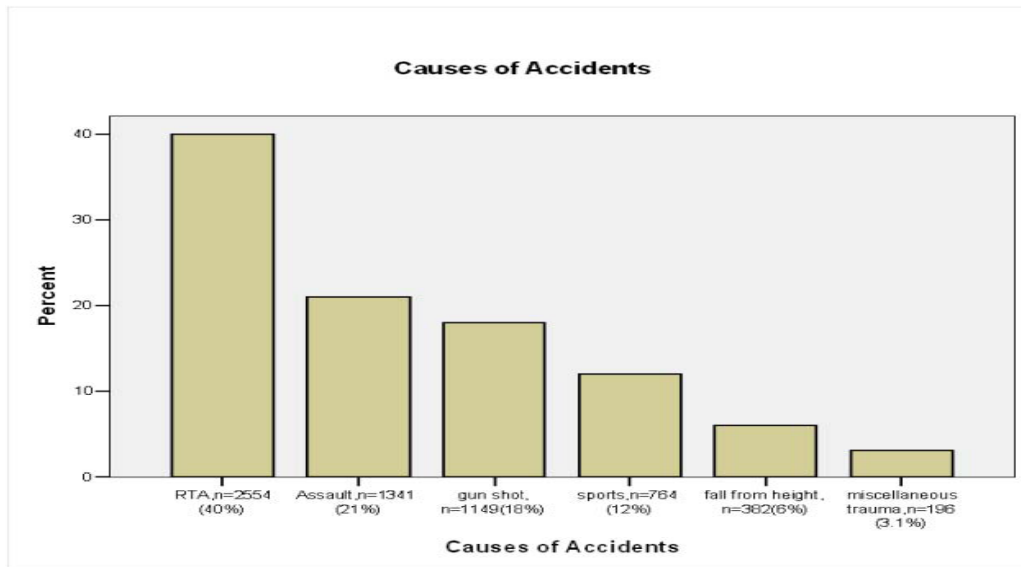


FIGURE 2:



DISCUSSION:

Wounds in areas of ENT in addition head and neck establish main share of emergency cases. ENT team in emergency department has extraordinary character for administration of disturbance patients. In our opinion, there was a male dominance that resembled the disclosures from earlier scattered investigations [6]. The commonness of the extended sexual direction was a consequence of the extensive occupational introduction on the streets; others were not occupational and suppliers. In the educated countries, sexual directional inequality is not the problem in terms of employment and in this direction basically comparable road traffic accidents are typical [7]. In our study, the most important age group affected was the adult age of 15-52. In the collections reported in our neighboring countries, the most typical age was found to be 34, i.e. adulthood. In any case, some studies have shown that age is more prevalent than adulthood. Prasad et al considered the partition to be the most prominent sensitive tissue wounds. Yojana et al. found the most relentless purpose behind ENT emergency admission as upper jaw damage to the face at 85.1%, outside the body at 6.9% and neck disease at 6.9%. In a further study by Abbas et al. it was found that a point by point maxillofacial damage is the most remarkable purpose behind a street fender that was sought until the fall [8]. Distinctive evaluation of the study centers on the way there that there is a prerequisite for better care of road traffic among people. There should also be an emergency recovery vehicle office that will help the patient's officials in emergencies at this remarkable time. Extensive facial injuries are enormous because they affect the grimness

that affects a person's individual fulfillment. In our opinion, minor injuries include abrasions or minor cuts, epistaxis, ear canal, minor nasal damage, wounds, septal hematoma. Other life-saving techniques were also performed, such as ligation of the neck veins, damage to the carotid artery was sufficiently repaired with the help of vascular authority, but unfortunately only three cases could not be saved due to a gigantic blood event [9]. ENT damage occurring in emergencies is usually observed, and so ORL professionals with particularly identifiable data on emergency facial and neck wounds at all levels of the traffic structure must be accessible to human administration and have explicit weight for convincing results. The preparation of projects with well thought-out organizational shows should be planned in order to imagine this dreariness and mortality [10].

CONCLUSION:

Wounds in areas of ENT in addition head and neck establish main share of emergency cases. The damages comprise from slight scrapes that need modest covering to slashed neck that necessitates emergency neck examination. ENT team in emergency subdivision has amazing character for administration of shock patients.

REFERENCES:

1. Kitcher ED, Jangu A, Baidoo K. Emergency Ear, Nose and Throat Admissions at the Korle-Bu Teaching Hospital. Ghana Med. J. 2007;41(1):9-11.

2. Prasad KC, Prasad SC, Shenoy S, Kumar A. Management of head and neck trauma in a developing country. *Indian J Otolaryngol Head Neck Surg.* 2009;61(suppl 1):35-43. doi: 10.1007/s12070-009-0015-7.
3. Abbas I, Fayyaz M, Shah I, Khan MA, Qazi SH, Munir N, Bibi A, Abbasi M. Demographic distribution of maxillofacial fractures in Ayub Teaching Hospital: 7-year review. *J Ayub Med Coll Abbott abad.* 2009 Apr-Jun; 21(2):110-2.
4. Barman D, Maridal S, Goswami S, Hembram R. Three years audit of the emergency patients in the department of ENT of a rural medical college. *J. Indian Med. Assoc.* 2012;110(6):370-374.
5. Upile T, Jerjes W, Sipaul F, El Maaytah M, Nouraei SAR, Singh Sandeep Hooper Colin, Wright A (2007) The role of surgical audit in improving patient management; nasal hemorrhage: an audit study. *BMC Surg.* 7-19 <http://www.biomedcentral.com/1471-2482/7/19>. Accessed 20 Dec 2010
6. Kindermann D, Mutter R, Pines JM. Emergency Department Transfers to Acute Care Facilities, 2009. *HCUP Statistical Brief #155.* Agency for Healthcare Research and Quality. May 2013.
7. Bhatti MA, Ajaib MK, Masud TI, Ali M. Road traffic injuries in Pakistan: Challenges in estimation through routine Hospital Data. *J AyubMedCollAbbotabad* 2008;20:108-11.
8. Baek MK, Jung JH, Kim ST, Kang G. Delayed treatment of Zygomatic Tetrapod Fracture. *ClinExpOtorhinolaryngol* 2010;3:107-9.
9. Fazal I Wahid, Muhammad Riaz Khan, Muhammad Masood Khan, , Muhammad Javaid, , BakhtZada. Pattern of firearm injuries in head and neck regions at a tertiary care hospital. *J Pak Med Assoc* 2016;66(7):849-52.
10. Signorelli LG, Mendes E de A. Prevalence of otorhinolaryngologic diagnoses in the pediatric emergency room. *International Archives of Otorhinolaryngology.* 2013;17(1):10-13. doi:10.7162/S1809-97772013000100002.