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PP09 - Safety Concerns for the Air Transport Patients, Possible Risks & Precautions

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Air transported patients or healthy passengers are exposed to decreased pressure, oxygen, moisture and temperature; radiation and unfamiliar flight maneuvers in 3 dimensions. They have limited motion; since they travel in close contact with others, they are open to toxic and infectious agents in the breathing air. Traveling in a closed, narrow cabin with limited motion may also have adverse effects on individual's psychology.
Since the physiological and psychological difficulties of flight environment pose many problems for even healthy subjects, safety and medical condition of patients may indeed deteriorate in flight. Factors that may affect the patient in flight are: Barotraumas, deep vein thrombosis, jet lag, fear of flight, motion sickness, hearing impairment due to noise, acceleration associated problems, infections stemming from the cabin air...
The safety of air transport patients is not only affected by the aforementioned factors. Problems associated with pilot in command, aircrew, air traffic controllers, maintenance personnel and even the design and ergonomic errors of manufacturer may interfere with the flight safety. Medical condition, education, discipline of the aircrew; availability of medical support systems; first aid education and skills of the cabin crew also have vital importance.
The worst nightmare in aviation is aircraft accidents that occur due to errors in the chain of manufacturing, maintenance, piloting or air traffic controlling. Human error comprises more than 70% of the factors in aviation accidents. Therefore, any effort to increase the safety in aircraft is focused on human factors. One of the supervisors of this issue is the flight surgeon. Flight surgeons, servicing at the airports, air ambulance companies etc. are responsible for medically supporting all people in flight.
Ambulance helicopters and planes have been in use for medical evacuation of patients and casualties for a long time. In these aircrafts cabin pressure, oxygen systems and medical intervention means and trained physicians are available. "Aircraft hospitals" have also been designed in order to evacuate large number of patients, to perform emergency interventions and operations on scene in disasters and war situations; in other words instead of sending the patient to hospital, the hospital is sent to the patients.

Keywords: *the safety of air transport patients, aviation accidents, human factors, aerospace medicine, air transport patients, barotrauma, air traffic controllers*

PP10 - Improvment of Bed Ridden Patients' Clothes In Rest Home In Konya

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Ergonomy carries big significance in people's lives from the place where they live to the clothes they wear. The most suitable thing that should be born in mind that just as the design of the patient's clothes is cared considering their illness, the same care should be done for the design of the old's clothes considering their limitations. When it comes to the situation of those who are both old and patient, the designs of the clothes should be done considering their limitations in terms of their illness and the challenges of their bedridden status.
This research aims at improving the ergonomy of the bedridden patients clothes in Konya Rest Home. To realize this a copy of the prepared interview has been provided with the chief nurse and nurses who look after bedridden patients in Konya Rest Home. The interviews have been analysed by using statistical techniques and some findings have been obtained. Different desings have been done according to the results and needs after this research.

Keywords: *Patient's clothes, old's clothes, clothing design*