

Research

What is already known on this topic

Considerable overlap exists between Alzheimer's disease and vascular dementia

Vascular risk factors may be involved in the causation of both conditions

Spontaneous cerebral emboli are associated with increased risk of stroke and cognitive impairment in patients having carotid or cardiac surgery

What this study adds

Spontaneous cerebral emboli are significantly associated with both Alzheimer's disease and vascular dementia and may be involved in the pathophysiology of both conditions

Spontaneous cerebral emboli may represent potentially preventable or treatable cause of both types of dementia

Ethical approval: Local research ethics committees in Manchester and Stockport: South and North Manchester LREC reference SOU/98/132; Central Manchester LREC reference CEN/00/027/CA; Stockport LREC reference EE/SR/MREC2029.

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Effects of armed conflict on access to emergency health care in Palestinian West Bank: systematic collection of data in emergency departments

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Abstract

Objective To assess the impact of restrictions in access to hospital services imposed on the civilian population during the armed conflict in the Palestinian territories occupied by Israel.

Design Consecutive registration of demographic and medical data, with information about transportation time, delay in access to hospital, and course of hospital contact.

Setting Three hospital emergency departments in Bethlehem and Nablus, in the occupied Palestinian West Bank, during one week in each hospital.

Participants All patients seeking health care in the three hospitals during the study period.

Results A total of 394 of the 2228 emergency department contacts reported being delayed at checkpoints or by detours on their way to the emergency department. Hospital admission was significantly more common for these patients: 32% (n = 125) compared with 13% (n = 205) among those who were not delayed.

Conclusion 18% of the emergency department contacts were delayed because of the occupation. The higher hospital admission rate in this group suggests that restrictions in access to hospital services influence the severity of the medical conditions presented.

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Introduction

Armed conflict affects public health in various ways. In the Palestinian territories occupied by Israel, tight restrictions have been imposed on the population. Towns and villages are encircled by military checkpoints, making passage difficult, unpredictable, and occasionally impossible.

The World Health Organization recommends collection of data in emergency departments as a tool to assess the health consequences of armed conflicts.¹ Through systematic data collection, we analysed the extent of restrictions in access to hospital services and its impact on the frequency of admission to hospital.

Methods

We included all emergency department contacts during eight days and nights in January 2005 in one hospital in Bethlehem and two hospitals in Nablus in the occupied Palestinian West Bank. A registration form was filled out for each patient, including details of age, sex, residence, civil status, reason for hospital contact, main diagnosis, causes of injuries, and course of hospital contact. We obtained information about each patient's distance travelled to the hospital, transportation time, means of transportation, and any delay. We categorised self reported delay as conflict related delay (checkpoints, detour, and curfew) and other delay (traffic jam and other reasons). For each patient, we calculated speed of travel on the basis of transportation time and distance.

Results

Among all 2228 people who contacted the three hospitals during the study period, 394 (18%) reported

Number (percentage) of patients delayed or not, by course of hospital contact

Hospital and delay	Course of hospital contact			All
	Discharged to home	Admitted or referred to other hospital	Dead or not stated	
Al Watani, Nablus				
Conflict related delay	53 (44)	58 (48)	10 (8)	121
Other delay	72 (76)	20 (21)	3 (3)	95
No delay	706 (80)	122 (14)	52 (6)	880
All	831 (76)	200 (18)	65 (6)	1096
Rafidiya, Nablus				
Conflict related delay	100 (72)	31 (22)	7 (5)	138
Other delay	61 (94)	4 (6)	0	65
No delay	243 (90)	16 (6)	12 (4)	271
All	404 (85)	51 (11)	19 (4)	474
King Hussein Hospital, Bethlehem				
Conflict related delay	88 (65)	36 (27)	11 (8)	135
Other delay	65 (72)	20 (22)	5 (6)	90
No delay	341 (79)	67 (15)	25 (6)	433
All	494 (75)	123 (19)	41 (6)	658
All hospitals				
Conflict related delay	241 (61)	125 (32)	28 (7)	394
Other delay	198 (79)	44 (18)	8 (3)	250
No delay	1290 (81)	205 (13)	89 (6)	1584
All	1729 (78)	374 (17)	125 (6)	2228

What is already known on this topic

Research in the health consequences of armed conflicts is still in its infancy

The occupation of Palestine includes movement restrictions that may influence access to health care, but the size of this problem is not known

What this study adds

Data collection among emergency department contacts showed that patients delayed by the Israeli occupation were more likely to be admitted to hospital than were other patients

being delayed at checkpoints or by detours. Admission to hospital was more common among old and very young patients than among young and middle aged patients. In all age groups, admission was significantly more common for patients who were delayed as a result of the conflict (32%) than for those who were not (13%; $P < 0.0001$). In Nablus, which is burdened with the most severe closures, 34% of the emergency department contacts who experienced conflict related delay were admitted compared with 12% of those who were not delayed. In Bethlehem, 27% of the delayed contacts and 15% of the non-delayed contacts were admitted (table).

The median speed of the patients who were not delayed was 18.0 (range 0.7-120) km/h, whereas it was 15.5 (0.3-90) km/h for those delayed by the conflict and 12.0 (2.7-48) km/h for those delayed by other reasons. The patients delayed by the conflict had generally travelled a greater distance than the others.

Discussion

Although we collected data during a relatively calm period in the West Bank, 394 of the 2228 emergency department contacts reported being delayed at checkpoints or by detours on their way to hospital, and they were more likely to be admitted to hospital than were non-delayed patients. One possible explanation for this is that people who have to pass checkpoints live at a greater distance from the hospital. The need to pass a checkpoint might discourage sick people from seeking medical care for fear of being denied access or held back. When they eventually do seek help, their condition has deteriorated and admission is needed. Our study might have underestimated the health consequences of movement restrictions in the West Bank, as it did not include data about people who were completely denied access to emergency departments.

The West Bank closure system comprises more than 600 physical barriers placed on roads by the Israeli army to restrict Palestinian traffic. Most of these checkpoints are placed within the occupied territories and do not restrict the interaction between Israelis and Palestinians, but rather between Palestinians and Palestinians.²

The UN Bertini mission in 2002 obtained a commitment from Israeli authorities to clear ambulances at checkpoints within 30 minutes.³ The Red Crescent uses this definition when reporting delay of ambulances.⁴ In our study, we did not specify the delay

in terms of time, as we assumed that quantification of their delay by patients would be too inaccurate. Additionally, defining a level of “acceptable delay” makes no sense from a medical point of view.

The Geneva Convention of 1949 and the additional protocols of 1977 mandate the right to access to medical care for civilians under occupation. The reported delay in access to healthcare facilities is not in accordance with these principles.

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Potential for organ donation in the United Kingdom: audit of intensive care records

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Abstract

Objectives To determine the true potential for solid organ donation from deceased heartbeating donors and the reasons for non-donation from potential donors.

Design An audit of all deaths in intensive care units, 1 April 2003 to 31 March 2005. The study was hierarchic, in that information was sought on whether or not brain stem testing was carried out; if so, whether or not organ donation was considered; if so whether or not the next of kin were approached; if so, whether or not consent was given; if so, whether or not organ donation took place.

Setting 341 intensive care units in 284 hospitals in the United Kingdom.

Participants 46 801 dead patients, leading to 2740 potential heartbeating solid organ donors and 1244 actual donors.

Main outcome measures Proportion of potential deceased heartbeating donors considered for organ donation, proportion of families who denied consent, and proportion of potential donors who became organ donors.

Results Over the two years of the study, 41% of the families of potential donors denied consent. The refusal rate for families of potential donors from ethnic minorities was twice that for white potential donors, but the age and sex of the potential donor did not affect the refusal rate. In 15% of families of potential donors there was no record of the next of kin being approached for permission for organ donation.

Conclusions Intensive care units are extremely good in considering possible organ donation from suitable patients. The biggest obstacle to improving the organ donation rate is the high proportion of relatives who deny consent.

Introduction

The United Kingdom has a serious shortage of organs for transplantation, as does almost every country. The

number of deceased heartbeating donors has remained relatively static since 1998, ranging from 644 to 739 donors a year, having fallen from a peak of 923 in 1989.^{1 2} The heartbeating donor rate in 2004 was 12.3 per million population, which is one of the lowest rates in western Europe. Spain has an exceptional rate of 33.0 per million population, but most other countries in Europe have rates between 13 and 22 per million population (see bmj.com).³

Only one systematic study has been performed of the potential for organ donation from intensive care units, which was carried out in 1989-90 and was restricted to England and Wales.^{4 5} This estimated that in 1200-1350 patients a year death was diagnosed after brain stem tests and that half of these patients became actual organ donors. It also reported that, when approached, 30% of relatives of potential donors refused consent for organ donation, though differences in methods prevent direct comparisons with our study.

UK Transplant was established in 2000 with a specific responsibility to introduce measures to increase organ donation. As part of this process a national potential donor audit was developed to identify the true potential for organ donation from dead donors, together with the reasons for non-donation. We describe the establishment and implementation of the potential donor audit together with the overall results from the first two years for potential heartbeating donors.

Methods

The potential donor audit was designed on a hierarchical basis. Basic demographic information (not



The audit form is on bmj.com.



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