

Continuing Care for Patients on Chronic Hemodialysis During Disasters and Armed Conflicts

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Outline

❖ Background

- Patients with chronic kidney disease
- Providing care at the time of natural disasters and armed conflicts

❖ Cases

- Istanbul earthquake preparedness and response
- Response during war in Ukraine

❖ Lessons Learned and Remarks

Ongoing Project – Istanbul Earthquake

Joint work: Cem D. Ç. Bozkır, Evrim Güneş, Kaan Apak
(Funded by TUBITAK Grant #219M356)

❖ A severe earthquake is expected in Istanbul

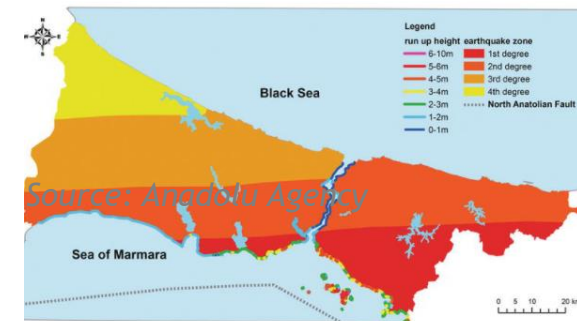
- Population of 17 million
- > 10000 patients on chronic dialysis
- AFAD (2018) predictions: 7.5 earthquake, 30000 deaths, 60000 injuries, 2.4 million without shelter

❖ Collaborative Research

- Renal Disaster Relief Task Force (RDRTF) - Turkey

❖ Decision Support Tool for Earthquake Preparedness and Response

- A systematic (optimization-based) approach and practical tool to assign patients on chronic dialysis to post-disaster capacity effectively
- Pre-disaster scenario analysis and planning
- Post-disaster planning and coordination



(Baskaya, 2018)

Response during War in Ukraine

❖ War in Ukraine

- Began in February 2022 and escalated quickly
- Disrupted infrastructure, including health care facilities
- Limited access to sanitation, to food, water and medical care
- As of August 2022:
 - 6.4 million refugees
 - 8 million displaced within Ukraine
- Kidney patients
 - 11,181 patients with kidney diseases
 - 6,017 patients on chronic dialysis
 - 700 refugees on chronic dialysis (September 2022)
 - Most stayed in the country (Migration from East to West)



Response during War in Ukraine

Coordination: Renal Relief Actors

- ❖ Numerous stakeholders took role in health care provision
- ❖ The Renal Disaster Relief Task Force (RDRTF) appointed by The European Renal Association (ERA)
 - Enable communication/coordination among key actors by collecting information on:
 - Internally and externally displaced patients with kidney disease
 - Capacity to treat
 - Urgent needs (medications, dialysis material and others)
 - Donation possibilities
 - How to ensure regular and safe supply delivery

Thank you.

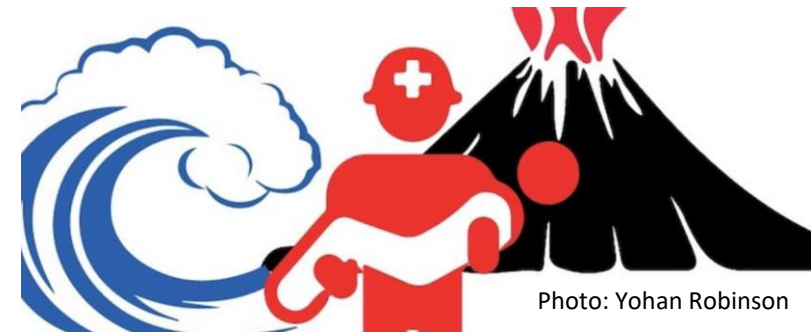


Photo: Yohan Robinson