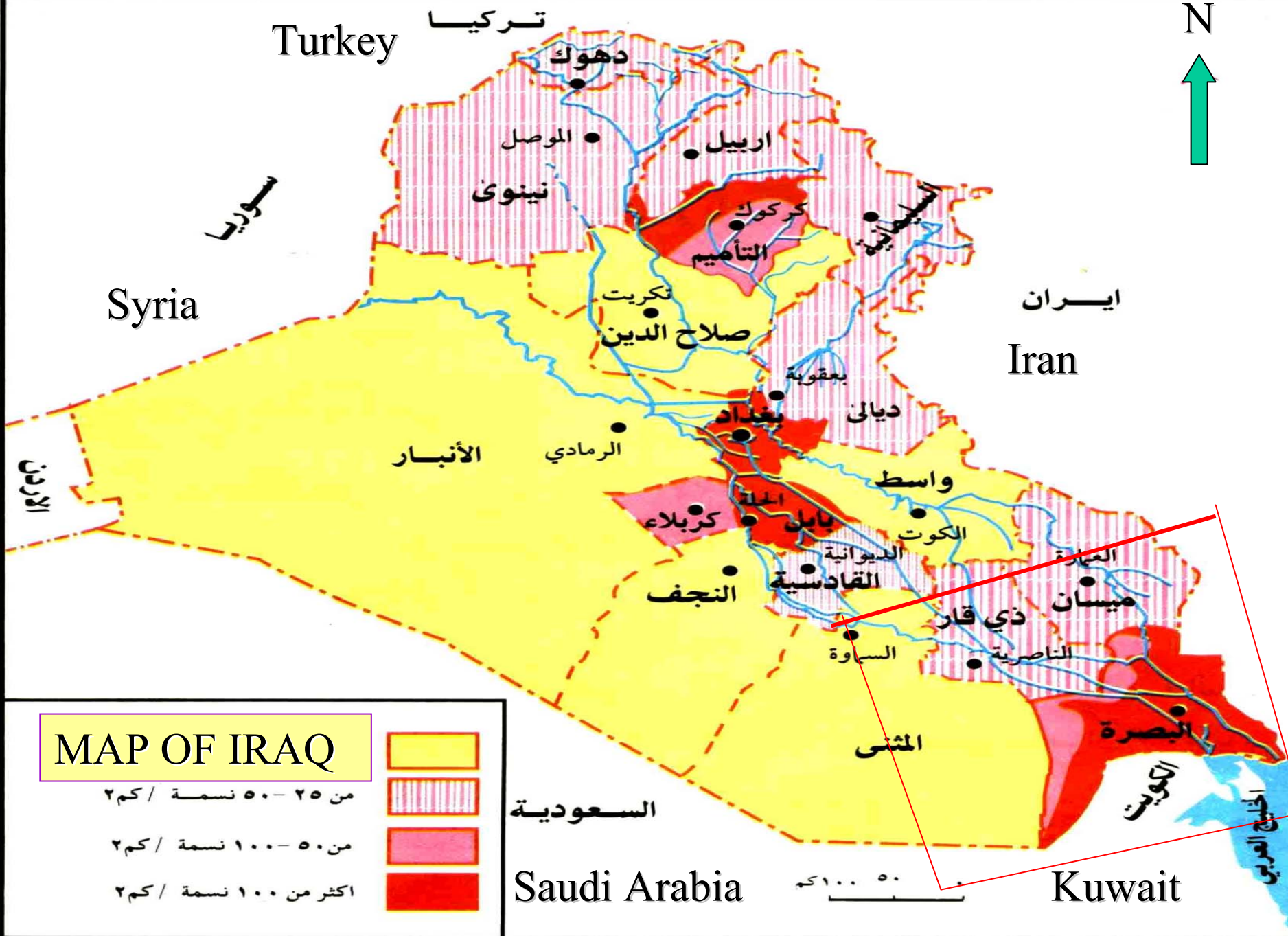


# **EFFECTS OF WARS ON IRAQ**

**DR. JAWAD AL-ALI  
ONCOLOGY CENTER,  
BASRAH, IRAQ**







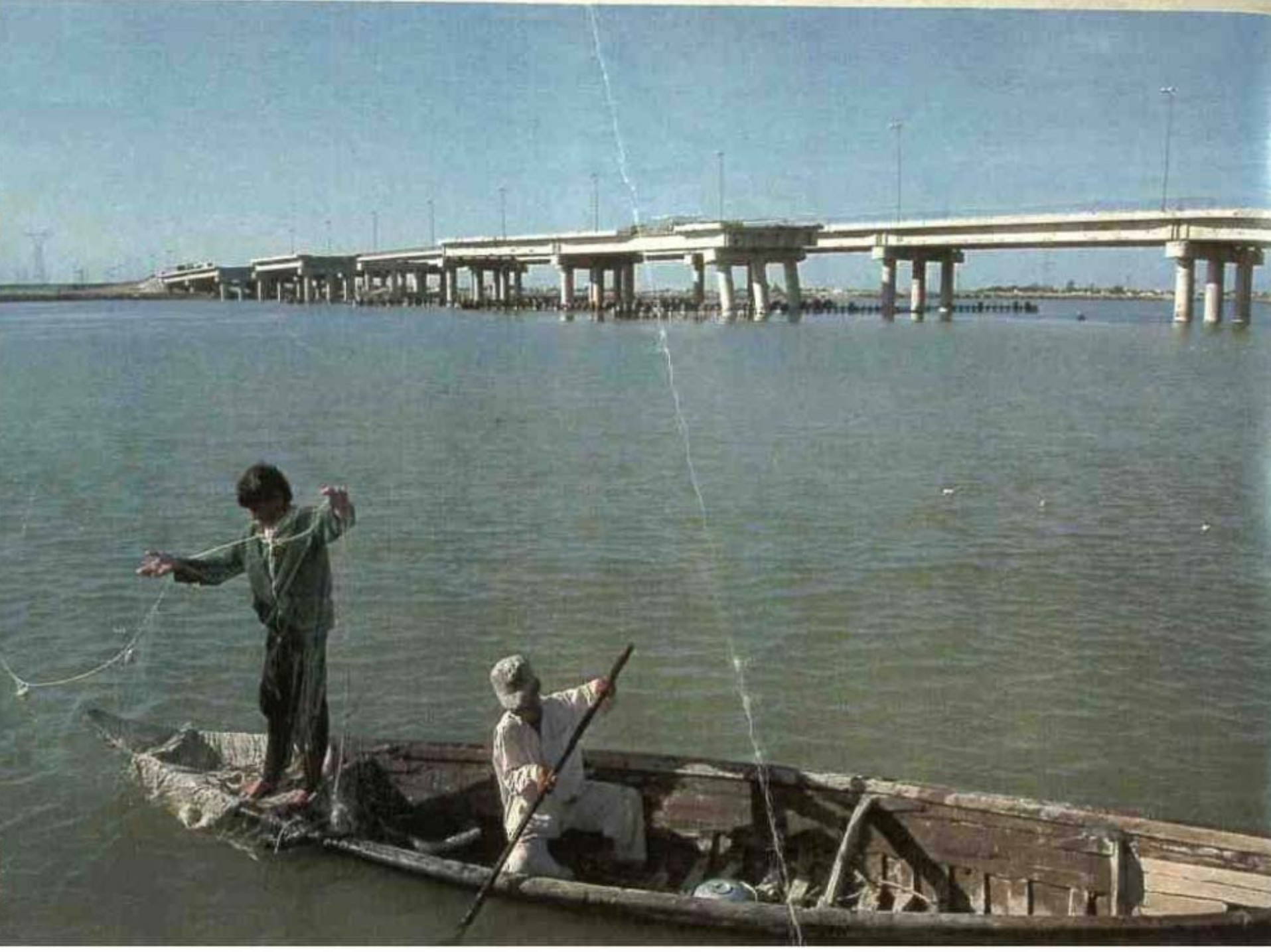


















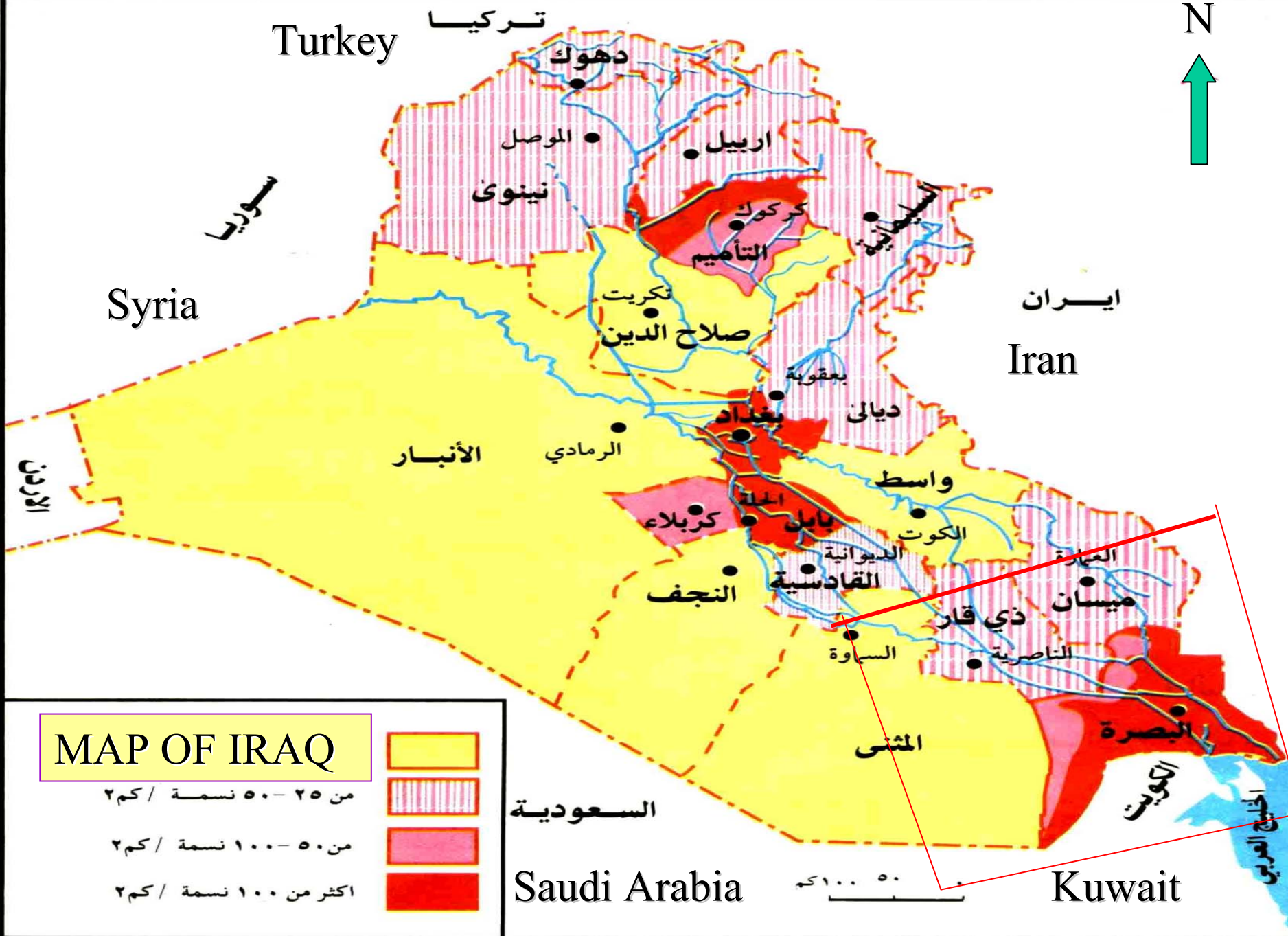




# INTRODUCTION

1

- ABOUT 800 TONS OF D.U. WERE DELIVERED ON IRAQI MILITARY AND CIVILIAN TARGETS DURING THE GULF WAR-2.
- AT LEAST 300 TONS DELEVERED AT THE WEST PARTS OF BASRAH.













# INTRODUCTION

2

THE RADIATION ACTIVITY HAS BEEN STUDIED BY THE ENVIRONMENTAL ENGINEERING DEPARTMENT OF THE COLLEGE OF ENGINEERING, UNIVERSITY OF BAGHDAD. THE ACTIVITY IN AIR WAS  $> 10$  TIMES THE NORMAL BACKGROUND WHICH IS (7 URh). IN THE SOIL THE RADIATION LEVEL WAS  $10 - 5000$  TIMES THE NORMAL BACKGROUND LEVEL (70 Bq/Kg) OF SOIL.

(SUAD AL-AZAWI et.al.)

# HEALTH CONSEQUENCES OF D.U.

- INCREASED INCIDENCE OF CANCERS.
- INCREASED INCIDENCE OF CONGENITAL MALFORMATIONS AND ABORTIONS.
- APPEARANCE OF DISEASES OF UNKNOWN AETIOLOGY (? DUE TO D.U. TOXICITY) AS MYOPATHIES, NEUROPATHIES & KIDNEY FAILURE.
- STRANGE CANCER PHENOMENON AFTER 1991.
- The cancer mortality > 19 folds within 12 years.



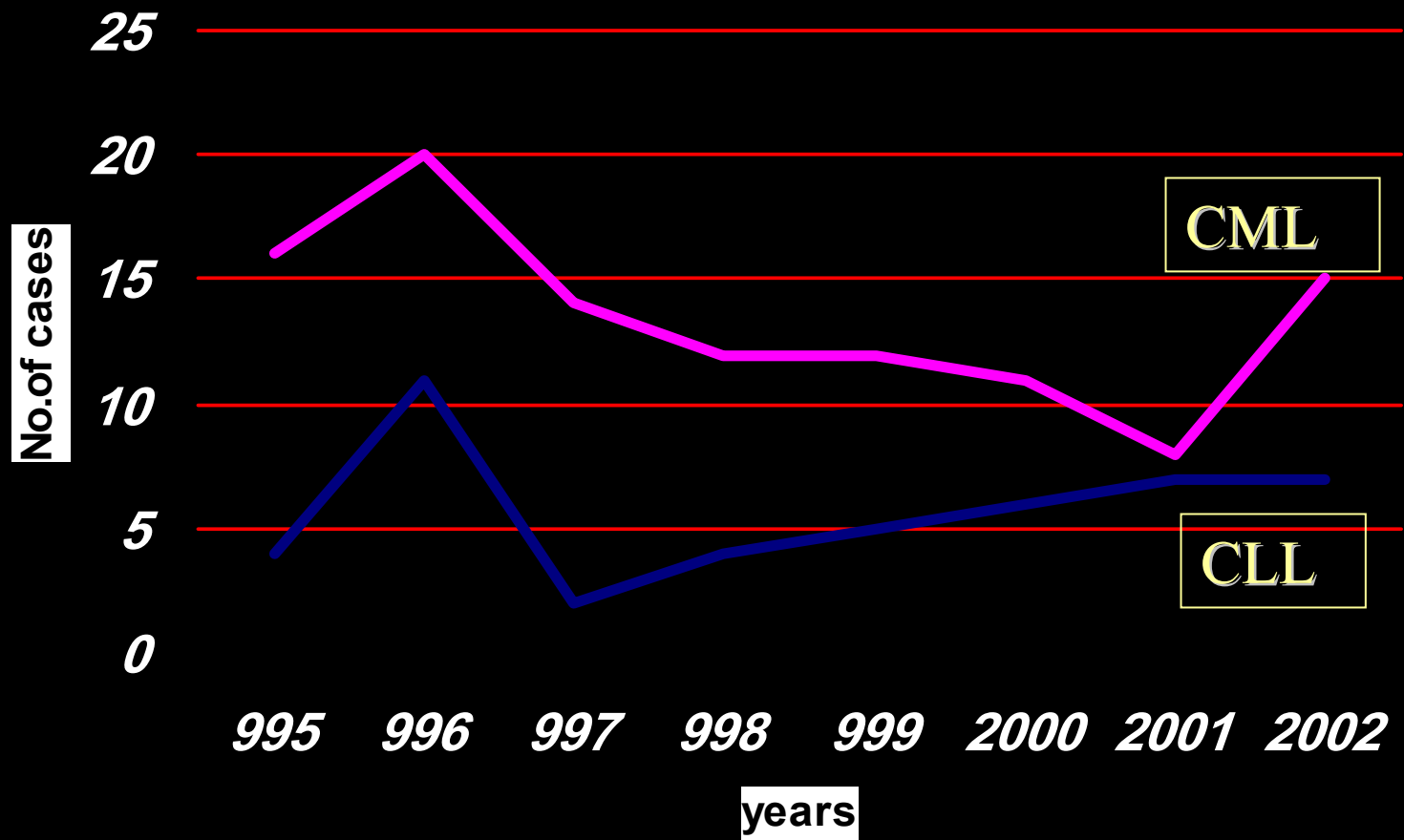
## *STRANGE CANCER PHENOMENON*

- FAMILIAL CANCER CLUSTERING (58 FAMILIES UNDER FOLLOW UP UNTIL NOW).
- DOUBLE CANCER IN 9 PATIENTS.
- TRIPLE CANCER IN ONE PATIENT.
- CHANGE IN PATTERN OF CANCERS (THE CANCERS OF ELDERLY PEOPLE ARE SEEN IN YOUNG AGES).

# ***THE INCIDENCE OF CANCERS*** **IN BASRAH AFTER 1991**

THE YEAR	CANCER INCIDENCE
1988	11/100000
1998	75/100000
2001	116/100000
2002	123/100000

## chronic leukemia after gulf war 2



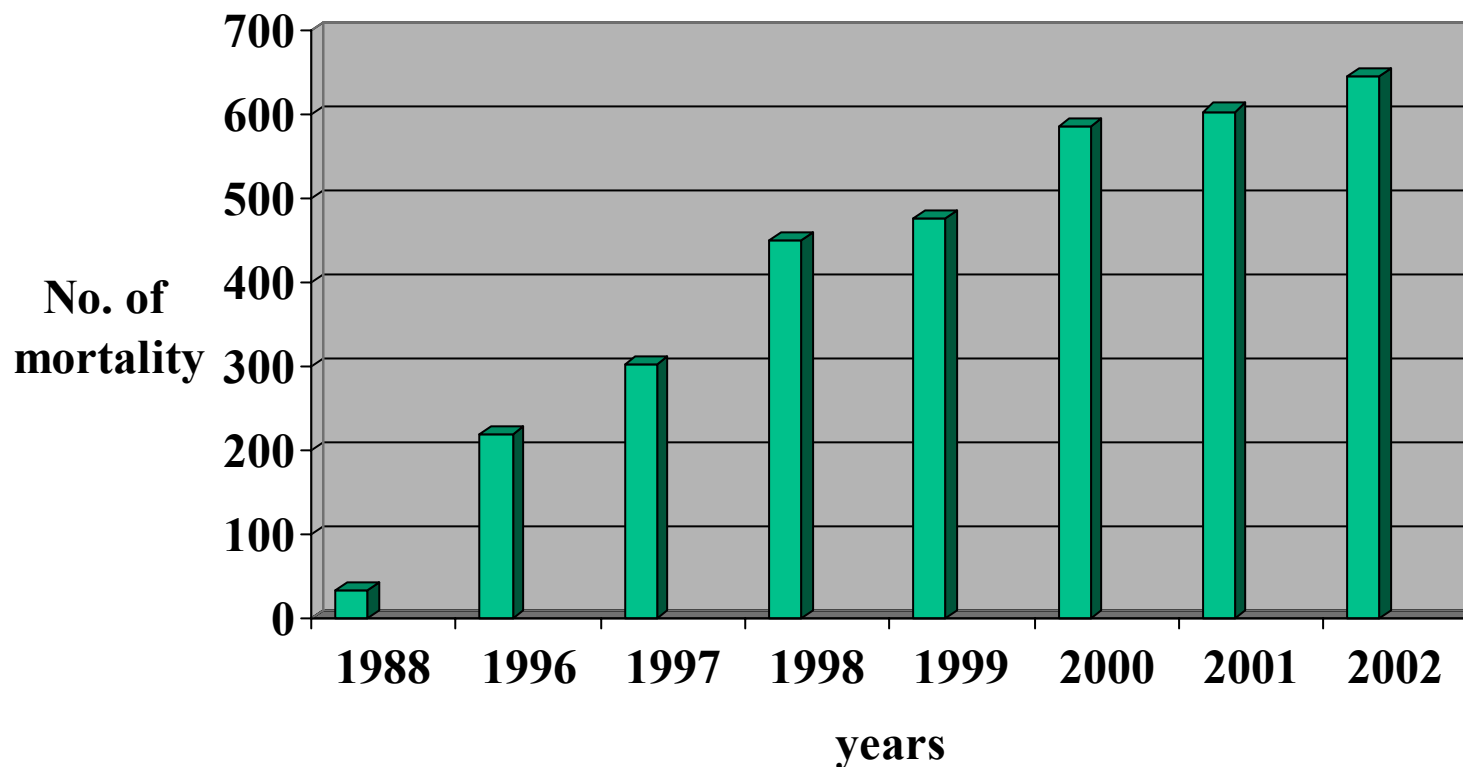


## DISTRIBUTION OF 5 COMMON CANCERS / 100000 OF POPULATION IN DIFFERENT PARTS OF BASRAH AFTER GULF WAR 2

CITY	Ca. Breast	Leukaemias	Ca. lung	GIT- Cancers	Lymphomas
BASRAH	40.3	19.7	9.3	14.4	20.8
ZUBAIR	23.8	14.6	12.3	10.8	11.6
QURNA	13.5	20.0	3.2	14.8	13.5
ABULKHASEEB	27.4	8.9	8.2	8.9	15.6
MDAYNA	14.1	9.4	5.5	10.2	6.3
SHAT-ALARAB	14.1	10.6	5.9	11.8	17.6
FAO	31.2	6.3	12.5	18.8	12.5

Dr. Jawad Al-Ali

# **CANCER MORTALITY IN BASRA AFTER 1991 COMPARED WITH REFERENCE YEAR 1988**



# EVIDENCE TO BLAME D.U. AS A CAUSE FOR THESE DISEASES AFTER GULF WAR 2

- **INCREASED LEVELS OF RADIATION IN THE AREA.**
- **INCREASED INCIDENCE OF CANCERS AFTER 1991.**
- **INCREASED RATE OF MORTALITY FROM CANCERS.**
- **INCREASED RATE OF CONGENITAL MALFORMATIONS.**
- **THE TYPES OF CANCERS AND THEIR INCUBATION PERIODS ARE CLOSELY RELATED TO RADIATION.**
- **FAMILIAL CANCERS , DOUBLE & TRIPLE CANCERS ARE ONLY SEEN AFTER 1991.**
- **MOST OF LEUKAEMIC CHILDREN WERE BORNE TO FATHERS WHO WERE INVOLVED IN GULF WAR 2.**
- **THE ONLY CANCER INDUCING FACTOR WHICH IS NEW AFTER THE GULF WAR 2 IS THE RADIATION FACTOR (D.U.).**
- **TO STRENGTHEN THE EVIDENCES CYTOGENETIC, CYTOCHEMISTRY AND DOCUMENTATION OF URANIUM IN THE TISSUES OF THE PATIENTS ARE NEEDED.**





NHL





NHL



NHL



Osteogenic sarcoma







rhabdomyosarcoma

Metastatic bone cancer





## Osteogenic sarcoma





Malignant fibrous histiocytoma

MFH









AML



Malignant fibrous histiocytoma





Parotid tumour





Squamous cell ca.



Liposarcoma



NHL



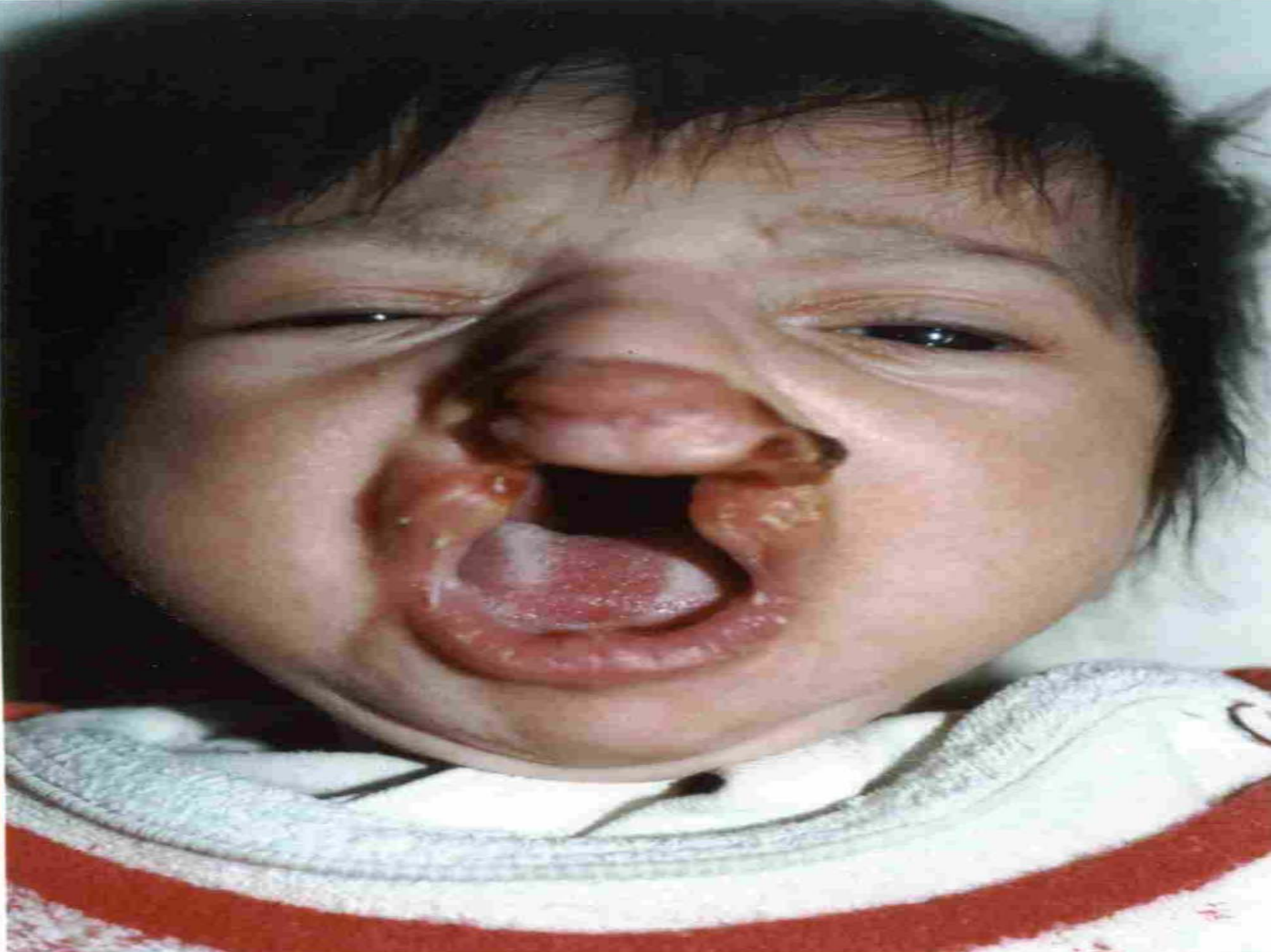


















**NO WARS, NO D.U. WEAPONS,  
NO NUCLEAR WEAPONS AND  
YES FOR PEACE SHADING THE  
ENTIRE WORLD**

