

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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لم ترد بالأصل



National Plan of Action for Prevention, Care and Treatment of Viral Hepatitis: Assessment of Implementation in different hospitals in Cairo

Thesis

M.D. Degree in Epidemiology

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﴿وَقُلْ رَبِّ زِدْنِي عِلْمًا﴾

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List of Abbreviations

Ab	Antibody
AFP	Alfa-fetoprotein
ANRS	Agence Nationale de Recherche sur
APIC	Association of Professionals on IC
BBPs	Blood Borne Pathogens
BTS	Blood Transfusion Services
CDC	Center of Disease Prevention and control
CLIA	Chemiluminescence
CME	Continuous Medical Education
CRF	Chronic Renal Failure
DAA's	Directly Acting Antivirals
EDHS	Egyptian Demographic Health Survey
EIAs	Enzyme Immune Assays
EMRO	Eastern Mediterranean Region Office
ESIC	Egyptian Society of Infection Control
GOTHI	General Organization for Teaching Hospital and Institutes
HAI	Hospital - Acquired Infections
HAV	Hepatitis A Virus
HBV	Hepatitis B virus
HCV	Hepatitis C virus
HDV	Hepatitis D virus
HEV	Hepatitis E Virus
HCC	Hepatocellular Carcinoma
HIH	Health Insurance Hospital
HIV	Human Immunodeficiency Virus
HCWs	Health Care Workers
HBBs	Hospital Blood Banks
HPSQ	Hepatitis patients Satisfaction Questionnaire
HIOs	Health Insurance Organizations
HCVTSat	Hepatitis C Virus Treatment Satisfaction instrument
IC	Infection Control
IPC	Infection Prevention and Control
IT	Information Technology
ID	Identification Number

MOHP	Ministry of Health and Population
NAAT	Nucleic Acid Amplification Technique
NBA	National Blood Authority
NCCVH	National Committee for the Control of Viral Hepatitis
NGOs	Nongovernmental Organizations
NCD	Non Communicable Diseases
NRA	National Regularity Authority
NSI	Needle Stick Injury
NTCs	National Viral Hepatitis Treatment Centers
NAMRU-3	Naval Medical Research Unit No. 3
NTP	National Treatment Program
NBA	National Blood Authority
PCR	Polymerase Chain Reaction
PEG-INF	Pegylated Interferon
PHC	Primary Health Care
PPE	Personal Protective Equipment
QC	Quality Control
RD	Replacement Donors
RBV	Ribavirin
RTC	Regional Blood Transfusion center
SHI	Social Health Insurance
SVR	Sustained Virologic Response
TAG	Technical Advisory Group
TTI	Transfusion-Transmitted infections
UHI	Universal Health Insurance
U/S	Ultrasound
USAID	U.S. Agency for International Development
VD	Volunteer Donors
Vs	Versus
WHO	World Health Organization

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Abstract

Background: Egypt has the highest prevalence of HCV infection worldwide, so the Egyptian MOHP has proposed a Plan of Action for Prevention, Care and Treatment of Viral Hepatitis in Egypt, 2014-2018, which included seven pillars. **Objectives:** This health system research aimed to assess the implementation of some pillars of the National Action Plan in different selected Hospitals in Cairo, and to assess the HCV patients' satisfaction regarding care and treatment. **Methods:** The current study is a cross sectional study. It recruited 180 HCWs from Internal Medicine Departments and Blood Banks in University, MOHP, and Insurance Hospitals and they completed a questionnaire about IC, HBV vaccination and blood safety. Also, 10 nurses from each Hospital were observed for safe injection practices, 300 HCV patients from Viral Hepatitis Clinics in the three Hospitals were asked about their satisfaction with the services provided for HCV care and treatment using Hepatitis patients Satisfaction Questionnaire (HPSQ), and 15 managers from the three chosen Hospitals were interviewed. **Results:** HCWs and managers from University Hospital were more knowledgeable about the National Action Plan and its pillars than others from MOHP and Insurance Hospitals. HBV vaccine policy application in MOHP Hospital is more satisfactory than the other 2 Hospitals. The observed nurses from University and Insurance Hospitals have good practice for injection safety than nurses from MOHP Hospital. The total score for HCV patients' satisfaction in the three Hospitals was significantly higher for the following items: HCV patients from University Hospital, illiteracy, non-skilled workers, no associated diseases, no DAAs side effects, and previous HCV treatment. **Recommendations:** Continuous medical education to HCWs especially in MOHP and Insurance Hospitals, HBV vaccine should be mandatory for all HCWs, increasing population awareness about HCV infection, and the importance of screening for HCV and early diagnosis.

Key words: Plan of Action for Prevention, Care and Treatment of Viral Hepatitis in Egypt, 2014-2018, HCV infection, infection control, HBV vaccine to HCWs, treatment of HCV, safe injection practice, HPSQ.