



Moderators

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Butler University College of Pharmacy and
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Hospital Pharmacy Section Webinar Co-Chair
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Welcome to the “Responding to the Pandemic Together” events

FIP’s Special Online Programme on COVID-19

These webinars aim to

- I. Provide relevant information and the pharmacy workforce on Coronavirus SARS-CoV-2/COVID-19
- II. Share and discuss strategies and experiences of Member Organisations – in response to the pandemic
- III. Describe sector or area-specific approaches adopted across pharmaceutical science, practice and education
- IV. Engage frontline workers of pharmaceutical organisations to know about the realities facing them around the world.
- V. Discuss the implications of the pandemic on pharmaceutical supply, shortages that have been exacerbated by COVID-19, and how to address them
- VI. Consider the impact of this disease on patients across age groups and with concurrent conditions.
- VII. Assess and discuss the evidence behind treatments and the process of developing therapies, vaccines and tests.



To share ideas on webinar topics we should feature, or if you'd like to share your story on dealing with the pandemic please email

lina@fip.org

Important Links & Resources

FIP Covid-19 Information Hub

A comprehensive FIP webpage containing all of our resources and outputs relating to COVID-19, including recordings of previous webinars.

Link: <https://www.fip.org/coronavirus>

FIP Facebook Group: “COVID-19 & pharmacy”

Link: <https://www.facebook.com/groups/covid19andpharmacy/>



Announcements

FIP Digital Events House Rules

1. This webinar is being recorded and live streamed on Facebook
2. The recording will be **freely available** at www.fip.org/coronavirus and on our YouTube channel
3. You may ask questions by typing them into the Q&A box
4. Your feedback is welcome (webinars@fip.org)

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Learning Objectives

- Identify the largest problems facing hospitals and health-systems due to the COVID-19 pandemic
- Relate personal experiences showcasing efforts to address the needs of patients, hospitals, and health-systems
- Discuss ways pharmacists and pharmacy departments can collaborate with interdisciplinary medical team members to continue to provide excellent patient care

Speaker/panelist 1

Adeniji Emmanuel Adefemi, PharmD, PhD

Assistant Director of Pharmaceutical Services
Jos University Teaching Hospital
Jos, Plateau State, Nigeria



Speaker/panelist 2

Ana Herranz, PharmD, PhD

Hospital Pharmacist Operations Manager
Hospital Universitario Gregorio Marañón
Madrid, Spain

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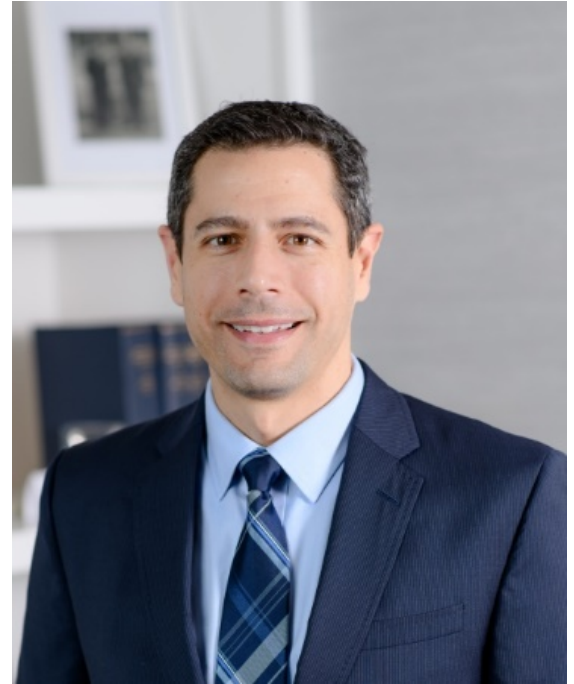
www.madrid.org/hospitalgregoriomaranon/farmacia



Speaker/panelist 3

Michael Ganio, PharmD, MS, BCPS, FASHP

Senior Director Pharmacy Practice and Quality
American Society of Hospital Pharmacists
United States of America



Speaker/panelist 4

Nai-Hwa Mei, MSc

Clinical Pharmacist Specialist
Shin Kong Wu Ho-Su Memorial Hospital
Taipei City, Taiwan



COVID-19 for Hospital Pharmacists and Health- Systems: The Medication Use Process

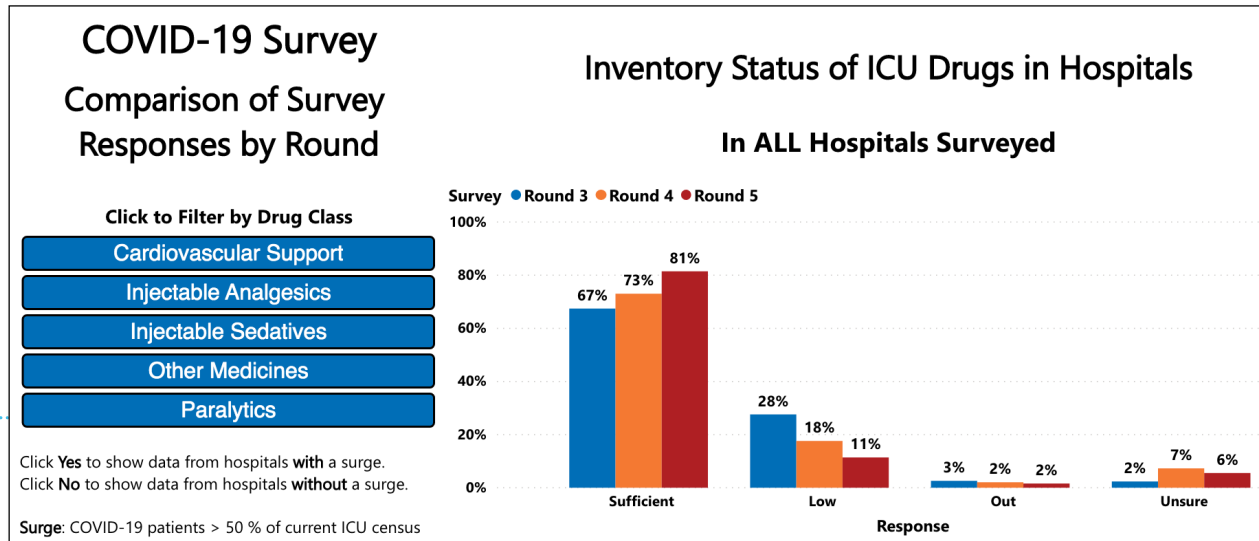
“Responding to the Pandemic Together”
Programme

Drug Procurement

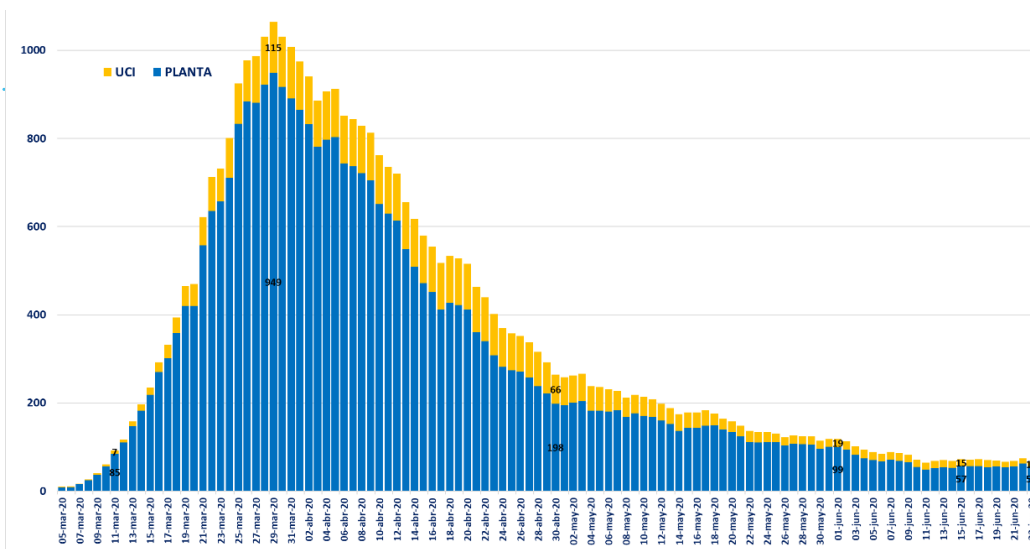
The WHO emphasizes the need to “focus on securing global supply chain.”
In light of COVID-19, is it possible to be supported by strong quality assurance principles?

- High use medications
- Inventory supply
- Drug shortages
- Foreign medications
- National stockpiles

<https://www.ashp.org/COVID-19/Bi-weekly-PPE-Survey-Results-Covid-19?loginreturnUrl=SSOCheckOnly>



Environment of Continuous Change



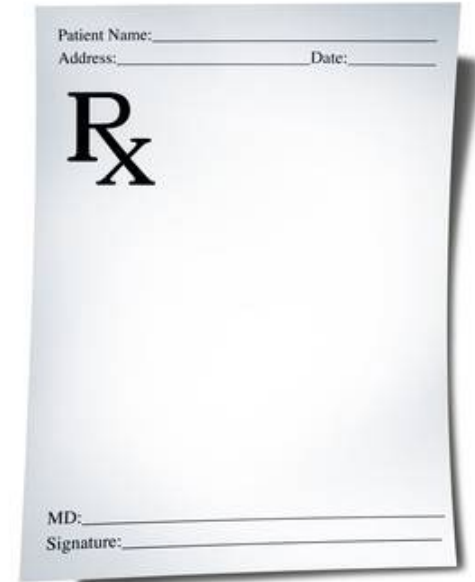
- ✓ *Direct purchase to Company (tenders, direct order...)*
- ✓ *Drugs with previous approval from Spanish Agency Of Medicine and Medical Devices*
- ✓ *Regional distribution of drugs based on ICU patientsesencial*

Prescribing and Validation of Prescriptions

When the pharmacist **is** part of the Health Care Team and **is** included in the decision-making process

When the pharmacist **is not** part of the Health Care Team and **is not** included in the decision-making process

- Reliable sources of information
- Policies, protocols, guidelines
- Healthcare information technology
- Communication methods



<https://www.pharmacy-tech-resources.com/what-is-a-prescription.html>

1. Drug selection & Protocols: Creating a Hospital COVID Experts Group

✓ **Multidisciplinary team** (infectious diseases, internists, pharmacists, pulmonologists, intensivists, cardiologists, etc.) for a comprehensive approach to the disease

- *Antiviral treatment, corticosteroids, immunomodulators, advanced therapies*
- *Oxygen therapy and other non-invasive respiratory therapies*
- *Invasive mechanical ventilation*
- *Anticoagulation and thromboprophylaxis*
- *Surveillance for drug-induced arrhythmias*
- *Treatment of corticosteroid-induced hyperglycemia*

 Hospital General Universitario
Gregorio Marañón

RECOMENDACIONES SOBRE EL TRATAMIENTO
DE LA INFECCIÓN POR EL NUEVO CORONAVIRUS (SARS-CoV-2)
EN EL HGUGM

HOSPITAL GENERAL UNIVERSITARIO GREGORIO MARAÑÓN

Escenario actual 17 de abril de 2020 16h

ESTE PROCOLO SE ACTUALIZARÁ SEGÚN LAS EVIDENCIA
Y LA DISPONIBILIDAD DE LOS MEDICAMENTOS

2. Prescription Support and Pharmaceutical Care

- ✓ Real time incorporation of protocols to CPOE (12 assistance + 3 research)
- ✓ Incorporation of clinical alerts and support to guide early selection of treatment and patient safety
- ✓ 24x7 Pharmacy validation and discharge education

Lista de Protocolos

Código: [] Nombre: Covid

Medicamento en protocolo: [] [Todos] [Informe]

Principio activo en protocolo: [] [Limpiar] [Cambio Med.]

Grupo de usuario: [] [Seleccionar] [Salir]

COVID-19 Neumonía HIDROXICLOROQUINA+AZ... Activo

Grupo: PROTOCOLOS GENERALES

Tipo: Estándar

Medicamento

- CLEJANE 40 mg/0,4 ml per pres: (evoparina) 40 mg C/ 24 h Inicio: 1 00:00; Via de administración:SUBCUTANEA
- DOLQUINE 200 mg comp (hidroxicloroquina) 200 mg C/ 12 h Inicio: 2 00:00; Via de administración:ORAL
- DOLQUINE 200 mg comp (hidroxicloroquina) 400 mg C/ 12 h Inicio: 1 00:00; Fin: 2 11:59; Via de administración:ORAL
- ZITROMAX 500 mg comp (azitromicina) 250 mg C/ 24 h Inicio: 2 12:00; Via de administración:ORAL
- ZITROMAX 500 mg comp (azitromicina) 500 mg C/ 24 h Inicio: 1 12:00; Fin: 2 11:59; Via de administración:ORAL

PBI

- FORTASEC caps 2 mg (opexamida) 1 caps. C/ 8 h Inicio: 1 00:00; Via de administración:ORAL
- METOCLOPRAMIDA 10 MG/2 ML amp (metocloramida) 10 mg C/ 8 h Inicio: 1 00:00; Via de administración:INTRAVENOSA
- PARACETAMOL 1000 mg/100ml sol (paracetamol) 1000 mg C/ 8 h Inicio: 1 00:00; Via de administración:INTRAVENOSA

COVID-19 Neumonía HIDROXICLOROQUINA+LO... Activo

Grupo: PROTOCOLOS GENERALES

Tipo: Estándar

Medicamento

- CLEJANE 40 mg/0,4 ml per pres: (evoparina) 40 mg C/ 24 h Inicio: 1 00:00; Via de administración:SUBCUTANEA



Preparation, Delivery, and Administration

- Staffing changes
- Compounding duties
- Modification of processes
- Emergency response
- End-of-life / hospice packs



<https://www.ismp.org/improving-intravenous-drug-delivery-safety>

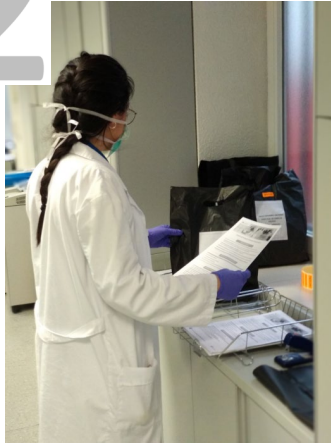
Tele-Health Pharmacy and Home Delivery

1



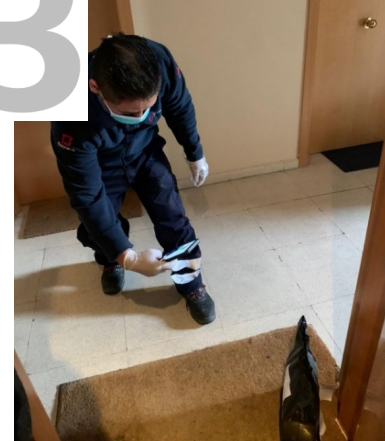
- *Review clinical record*
- *Interview*
- *Document*

2



- *Drug preparation*
- *Quality control*
- *Patient information*

3



- *Drug delivery*
- *Traceability and feedback*

Leadership, Human Resources, and Training

- On-site versus remote operations
- Shift schedule rotation
- Daily staff huddles
- COVID-19 staff education
- Key stakeholders
- Pharmacy learners (students, residents)



<https://www.td.org/insights/the-5-types-of-leaders>

Question Time

*Please use the chat
board to log your
questions & comments.*



Thank you for participating!

Please provide your feedback through the 4-question survey that will appear to you at the end of the event