## REPUBLIC OF LEBANON Lebanon Clinical Trials Registry

# An international randomised trial of additional treatments for COVID-19 in hospitalised patients who are all receiving the local standard of care

23/08/2025 04:46:48

Main Information	
Primary registry identifying number	Protocol number
LBCTR2020043495	Solidarity-Lebanon2020
MOH registration number	
Study registered at the country of origin	Study registered at the country of origin: Specify
Yes	
Type of registration	Type of registration: Justify
Prospective	N/A
Date of registration in national regulatory agency 22/04/2020	
Primary sponsor	Primary sponsor: Country of origin
WHO	Switzerland
Date of registration in primary registry	Date of registration in national regulatory agency
13/07/2020	22/04/2020
Public title	Acronym
An international randomised trial of additional treatments for COVID-19 in hospitalised patients who are all receiving the local standard of care	SOLIDARITY
COVID-19 in hospitalised patients who are all receiving the local	Acronym
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COVID-19 in hospitalised patients who are all receiving the local standard of care <b>Scientific title</b> An international randomised trial of additional treatments for COVID-19 in hospitalised patients who are all receiving the local standard of care <b>Brief summary of the study: English</b> It is an international study to compare the effects on major outcomes in hospital of the local standard of care alone versus the local standard of care plus one of four alternative anti-viral agents. WHO expert groups advised that four re-purposed drugs, Remdesivir, Lopinavir (given with Ritonavir, to slow hepatic degradation), Interferon ( $\beta$ 1a), and chloroquine or hydroxychloroquine should be evaluated in an international randomised trial is to provide reliable estimates on any effects of these anti-viral treatments on in-hospital mortality in moderate and in severe COVID. The arm using chloroquine or hydroxychloroquine was suspended.	Acronym
COVID-19 in hospitalised patients who are all receiving the local standard of care <b>Scientific title</b> An international randomised trial of additional treatments for COVID-19 in hospitalised patients who are all receiving the local standard of care <b>Brief summary of the study: English</b> It is an international study to compare the effects on major outcomes in hospital of the local standard of care alone versus the local standard of care plus one of four alternative anti-viral agents. WHO expert groups advised that four re-purposed drugs, Remdesivir, Lopinavir (given with Ritonavir, to slow hepatic degradation), Interferon ( $\beta$ 1a), and chloroquine or hydroxychloroquine should be evaluated in an international randomised trial. The main objective of this large international randomised trial is to provide reliable estimates on any effects of these anti-viral treatments on in-hospital mortality in moderate and in severe COVID.	Acronym SOLIDARITY

،لا توجد حالياً لقاحات او علاجات مرخصة لمرض كوفيد. ورغم ان بعض الادوية المستعملة لإمراض اخرى قد تساعد قليلا في بعض الحالات فإنها قد لا تفيد فيها جميعا. ولذلك تجري منظمة الصحة العالمية دراسة في العديد من البلدان للمقارنة بين بعض هذه الأدوية المستخدمة واستنتاج و (Lopinavir) لابينافير , (Remdesivir) مدى فاندتها في علاج مرض كوفيد. الادوية التي شيتم استخدامها في الدراسة هي: رمديسيفير . كلوروكين أو هيدروكسكلوروكين , (Ritonavir) ايتروني , الادومين أو هيدروكسكلوروكين , (Interferon) ايترفيرون , (Ritonavir) ريتونافير .

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REPUBLIC OF LEBANON MINISTRY OF PUBLIC HEALTH

### Lebanon Clinical Trials Registry

Health conditions/problem studied: Specify COVID-19 Interventions: Specify Local standard of care alone, OR local standard of care plus one of: Remdesivir Chloroquine or hydroxychloroquine (was suspended) Lopinavir with Ritonavir (suspended) Lopinavir with Ritonavir plus interferon (suspended) Interferon arm alone is added Key inclusion and exclusion criteria: Inclusion criteria Eligibility: consenting adults (age ≥18) hospitalised with definite COVID-19, not already receiving any of the study drugs, without known allergy or contra-indications to any of them (in the view of the physician responsible for their care), and without anticipated transfer within 72 hours to a non-study hospital. Patients invited to join the study will be those who are admitted to a collaborating hospital; no wider recruitment efforts are expected. Key inclusion and exclusion criteria: Gender Key inclusion and exclusion criteria: Specify gender Both Key inclusion and exclusion criteria: Age minimum Key inclusion and exclusion criteria: Age maximum 18 99 Key inclusion and exclusion criteria: Exclusion criteria Exclusion from study entry: Patients will not be randomised if, in the view of the randomising doctor, ANY of the AVAILABLE study drugs are contra-indicated (eg, because of patient characteristics, chronic liver or heart disease, or some concurrent medication). Type of study Interventional Type of intervention Type of intervention: Specify type Pharmaceutical N/A **Trial scope** Trial scope: Specify scope Therapy N/A Study design: Allocation Study design: Masking Randomized controlled trial Open (masking not used) Study design: Control Study phase Active 3 Study design: Purpose Study design: Specify purpose Treatment N/A Study design: Assignment Study design: Specify assignment Parallel N/A IMP has market authorization IMP has market authorization: Specify No Name of IMP Year of authorization Month of authorization Remdesivir Type of IMP Others

Pharmaceutical class



Anti-vira Treatment; four re-purposed drugs to be used in the study

some of them are already registered in Lebanon and used for other conditions		
Therapeutic indication		
anti-viral treatment		
Therapeutic benefit		
Treatment of Covid-19 hospitalized patients		
Study model	Study model: Explain model	
N/A	N/A	
Study model: Specify model		
N/A		
Time perspective	Time perspective: Explain time perspective	
N/A	N/A	
Time perspective: Specify perspective		
N/A		
Target follow-up duration	Target follow-up duration: Unit	
	<b>-</b> .	
Number of groups/cohorts		
Biospecimen retention	Biospecimen description	
None retained	None retained for the purpose of this study	
Target sample size	Actual enrollment target size	
1000		
Date of first enrollment: Type	Date of first enrollment: Date	
Anticipated	27/04/2020	
Date of study closure: Type	Date of study closure: Date	
Anticipated	01/04/2021	
Recruitment status	Populitment status: Specify	
Pending	Recruitment status: Specify	
-		
Date of completion		
IPD sharing statement plan	IPD sharing statement description	
Yes		

### REPUBLIC OF LEBANON Ministry of Public Health Lebanon Clinical Trials Registry

All data will be entered into a database created by WHO

Admin comments

Additional data URL

**Trial status** 

Approved

Secondary Identifying Numbers		
Full name of issuing authority	Secondary identifying number	
NA	NA	

Sources of Monetary or Material Support		
Name		
Sanofi		
Abbvie		
Gilead		
Merck		

Secondary Sponsors		
Name		
Lebanese Ministry of Public Health		

Contac	Contact for Public/Scientific Queries					
Contact type	Contact full name	Address	Country	Telephone	Email	Affiliation
Public	Rasha Hamra	Beirut	Lebanon	01-830300	rashahamra@ya hoo.com	МОРН
Scientific	Pierre Abi Hana	Beirut	Lebanon	03-611221	boutrosh@hotma il.com	RHGH

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### REPUBLIC OF LEBANON MINISTRY OF PUBLIC HEALTH Lebanon Clinical Trials Registry

Centers/Hospitals Involved in the Study				
Center/Hospital name	Name of principles investigator	Principles investigator speciality	Ethical approval	
Rafic Hariri Govermental Hospital	Pierre Abi Hana	Infectious Disease	Approved	
Notre Dame Des Secours	Madona Mattar	Infectious Disease	Approved	
Lebanese Univeristy of Beirut Medical Center- Rizk Hospital	Roula Husni Samaha	Infectious Disease	Approved	
Hotel Dieu de France	Moussa Riachi	Pulmonary	Approved	
Mount Lebanon Hospital	Nadine Yared	Infectious Disease	NA	

Ethics Review				
Ethics approval obtained	Approval date	Contact name	Contact email	Contact phone
Rafic Hariri University Hospital	09/04/2020	lyad Issa	iyadissa71@gmail.com	01-830000
Notre Dame des Secours Centre Hospitalier Universitaire	01/04/2020	Wissam Khourt	info@chu-nds.org	09-940400
Lebanese American University- University Medical Center Rizk Hospital	22/04/2020	Joseph Stephan	irb@lau.edu.lb	09-547254, ext:2340
Hotel Dieu de France	21/04/2020	Nancy Alam	nancy.alam@usj.edu.lb	01-421000, ext:2334

Countries of Recruitment	
Name	
Lebanon	

Health Conditions or Problems Studied			
Condition	Code	Keyword	
Covid-19	Coronavirus infection, unspecified (B34.2)	Covid-19	



Interventions			
Intervention	Description	Keyword	
Standard Care	as per the hospital standards	standard care	
Remdesivir	Daily infusion for 10 days	Remdesivir	
Lopinavir with Ritonavir	Orally twice daily for 14 days	Lopinavir with Ritonavir	
Lopinavir with Ritonavir (ditto) plus Interferon	Interferon: daily injection for 6 days	Lopinavir with Ritonavir plus Interferon	

### **Primary Outcomes**

Name	Time Points	Measure
All-cause mortality, subdivided by severity of disease at the time of randomisation	At discharge or death	Discharge date or Cause of death

Key Secondary Outcomes		
Name	Time Points	Measure
Assess any effects of these anti-viral treatments on hospital duration and receipt of ventilation or intensive care	During Hospitalization while on treatment	Clinical improvement
Identify any serious adverse reactions	During Hospitalization while on treatment	Any serious unexpected adverse reaction that is life- threatening (e.g. anaphylaxis, Stevens-Johnson syndrome, aplastic anaemia, or anything comparably strange) must be reported within 24 hours
Virological cure	After Treatment is finalized	PCR negative twice within 48hours



# Trial Results Summary results Study results globally Date of posting of results summaries Date of posting of results summaries Date of first journal publication of results Results URL link Baseline characteristics Participant flow Adverse events Outcome measures URL to protocol files