

COVID-19 from a recovered healthcare worker's perspective

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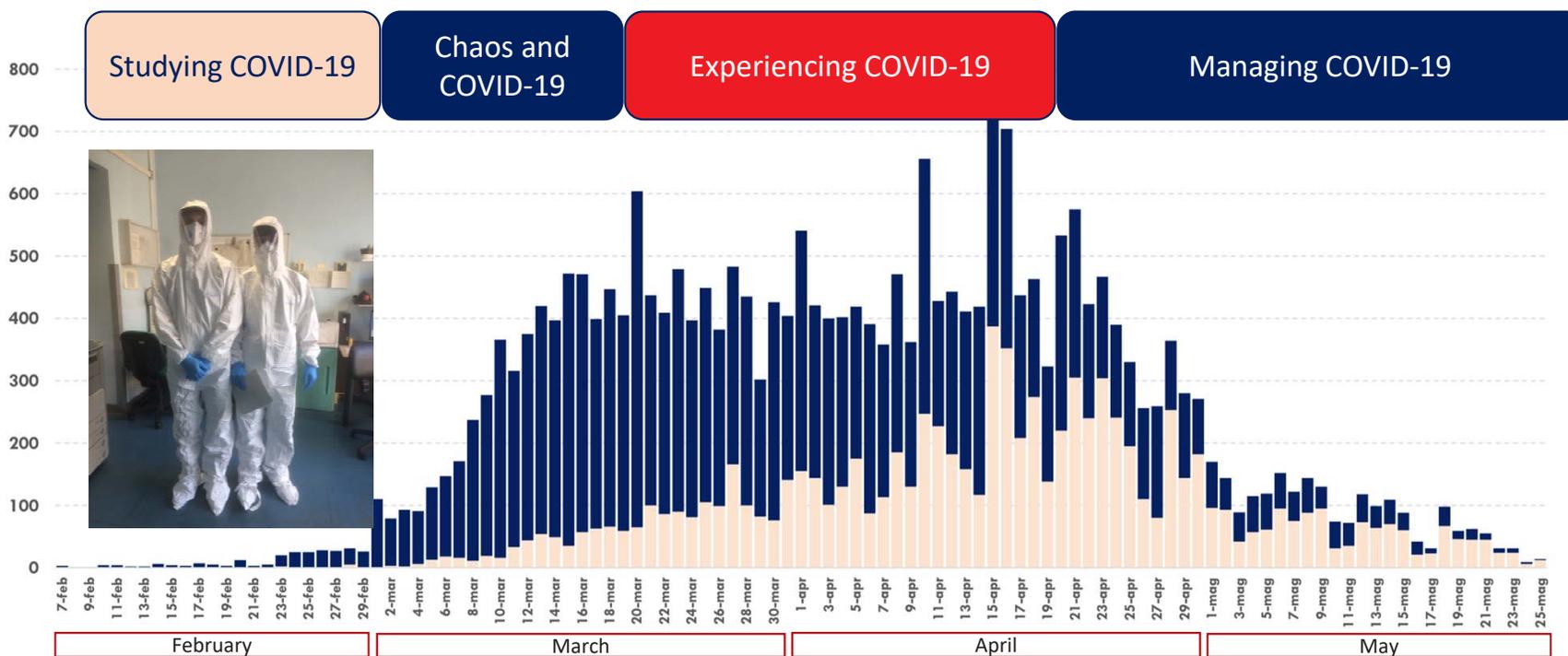
University of Torino, Italy



Disclosure slide

I do not have a conflict of interest

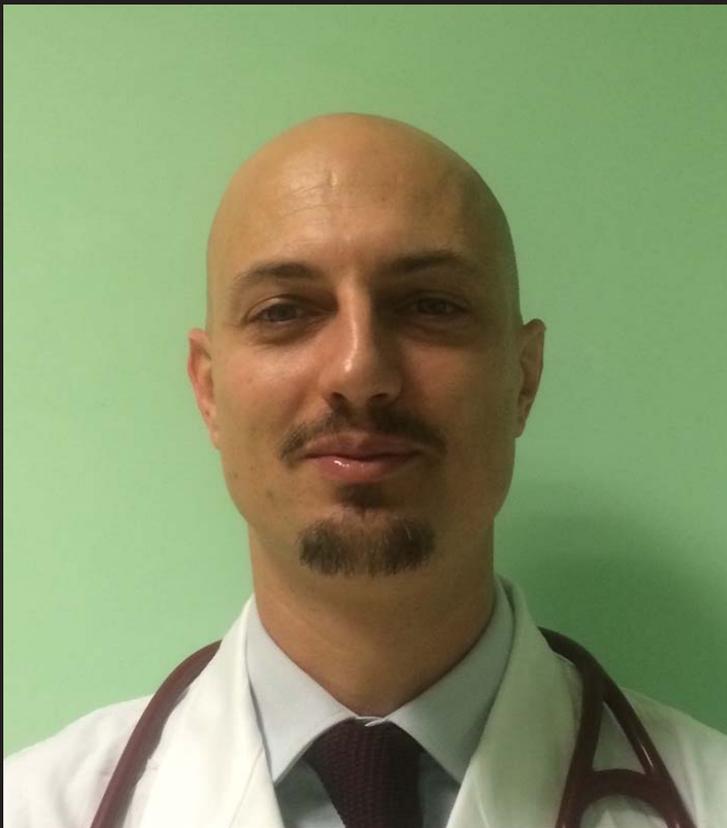
COVID-19 and me



SEREMI



From Doctor to Patient



A Clinical Case (no consent needed)

- Male, 41 years old, European ancestry
- No relevant past medical history, not taking medicines
- Works as ID Physician at the "Amedeo di Savoia" Hospital in Turin (now COVID Hospital)
- Several meetings for discussing management of COVID-19 patients (including some with colleagues turned positive after 1-2 days)
- March 17th severe back pain (paravertebral muscles cramps)
- March 18th asthenia and back pain → NP swab → positive
 - Home isolation
 - Hydroxychloroquine
 - Bought a pulse oximeter (SatO₂ 97-98%)
- March 19th partner tested → positive

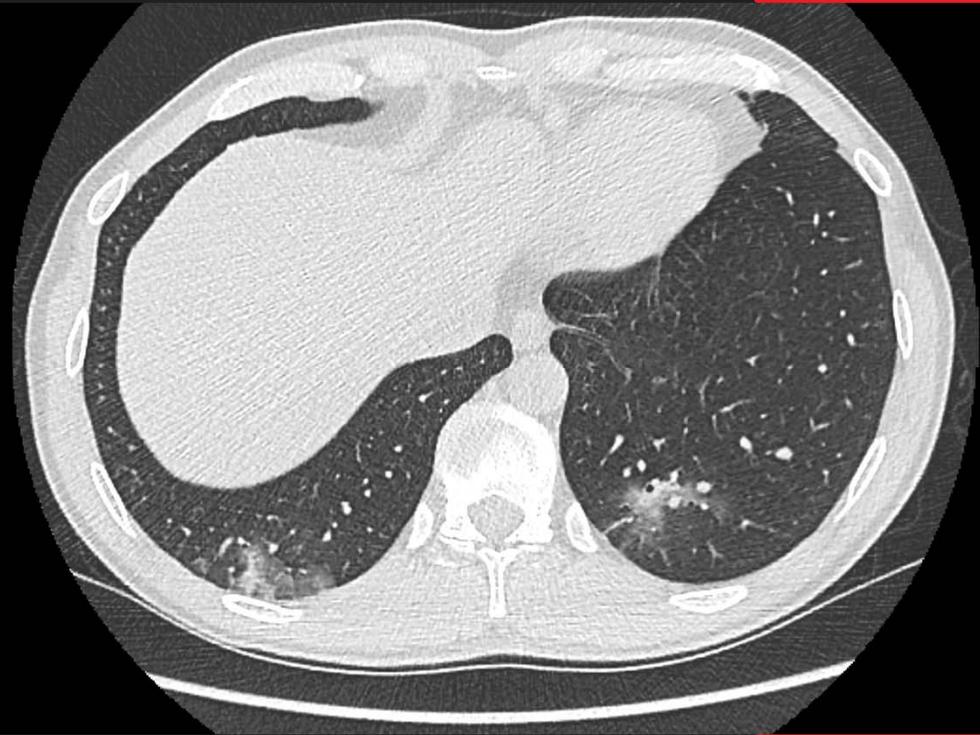
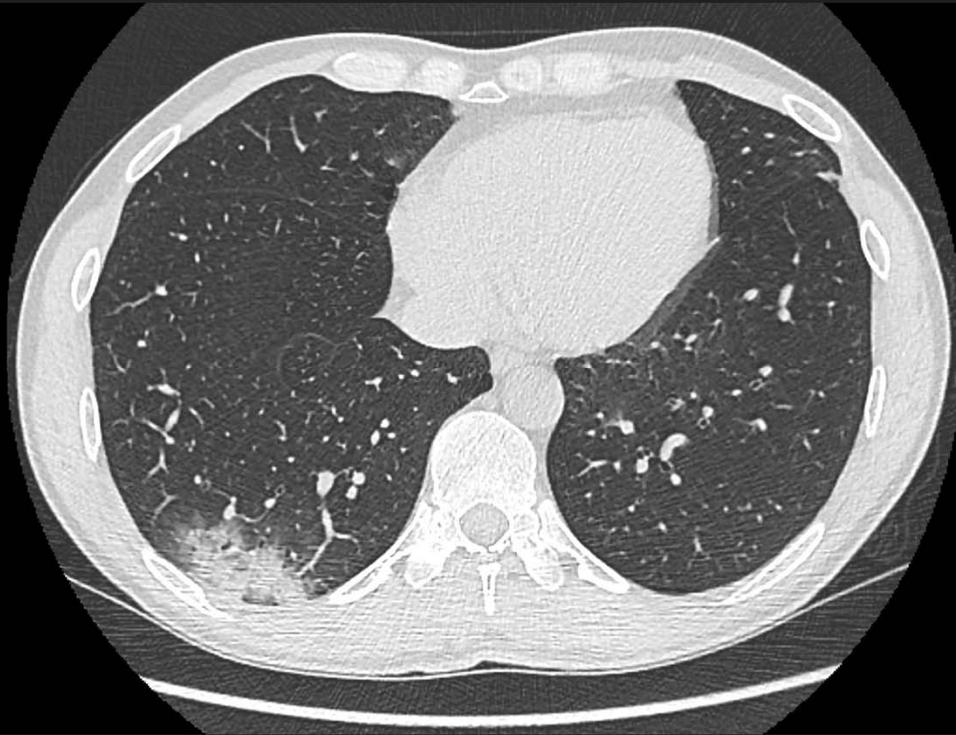
FEB
MAR

MAR

A Clinical Case (2)

- March 23th profound asthenia, fever (max 38 °C), HR 100-125 bpm, SatO₂ 93-95%
- March 24th to the ER after calling for “what would you do if you were me?”
 - Blood test OK
 - Lung US: basal B-lines
 - Arterial blood gas analysis : P/F 345
 - Lung CT scan:

MAR



Basal ground-glass and consolidations (3/24)

A Clinical Case (2)

- March 23th profound asthenia, fever (max 38 °C), HR 100-125 bpm SatO₂ 93-95%
- March 24th to the ER after calling for “what would you do if you were me?”
 - Blood test OK
 - Lung US: basal B-lines
 - Arterial blood gas analysis : P/F 345
 - Lung CT scan: Basal ground-glass and consolidations (3/24)
 - Lopinavir/ritonavir added
- Admitted until March 29th to the COVID ward
 - No need for oxygen
- Home isolation until April 20th (NP swab -/+ and then -/-)

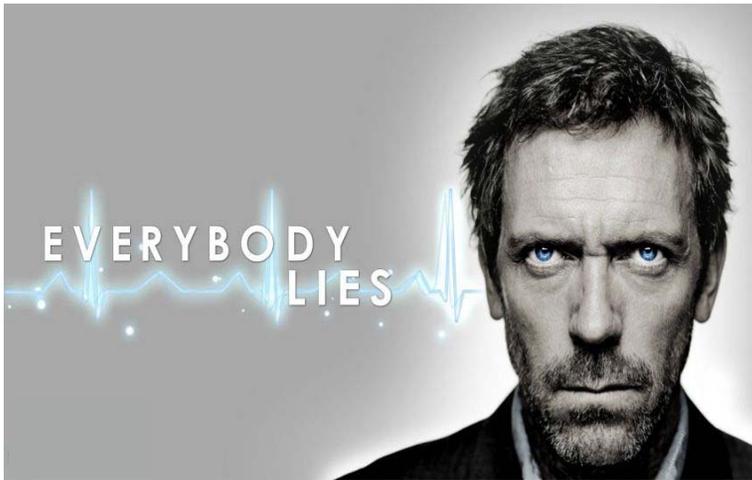
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APR



WHAT HAVE I LEARNT?

1. Patients do not lie!



BACKPAIN IN COVID-19 IS REALLY PAINFUL

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BACKPAIN IN COVID-19 IS REALLY PAINFUL

2. SARS-CoV-2/Hydroxychloroquine/Lopinavir/ritonavir Diarrhoea is bad



BUT IT IS EVEN WORSE IF YOU HAVE IT IN A ER
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AND THERE IS ONLY ONE BATHROOM

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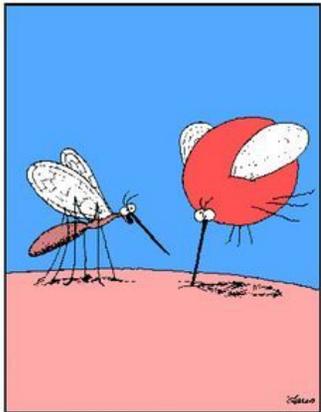
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BUT IT IS EVEN WORSE IF YOU HAVE IT IN A ER ROOM WITH OTHER
20 PATIENTS AND THERE IS ONLY ONE BATHROOM

3. Arterial blood sampling is painful

PERFORM IT IF IT IS NECESSARY (PLEASE)



"Pull out, Betty! Pull out! . . . You've hit an artery!"

WHAT HAVE I LEARNT?

4. A small gesture sometimes warms up

NURSES COOKED FRIED EGGS ONE NIGHT
AND SMUGGLED THEM IN THE RED ZONE



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5. Doctors usually spend little time talking to patients

AND THEY OFTEN NEED TO (WHEN MY NEIGHBOUR DISCOVERED I WAS AN ID PHYSICIAN HE ASKED ME A THOUSAND QUESTIONS WHILE JUST ANSWERING "FINE" TO THE VISITING DOCTORS)

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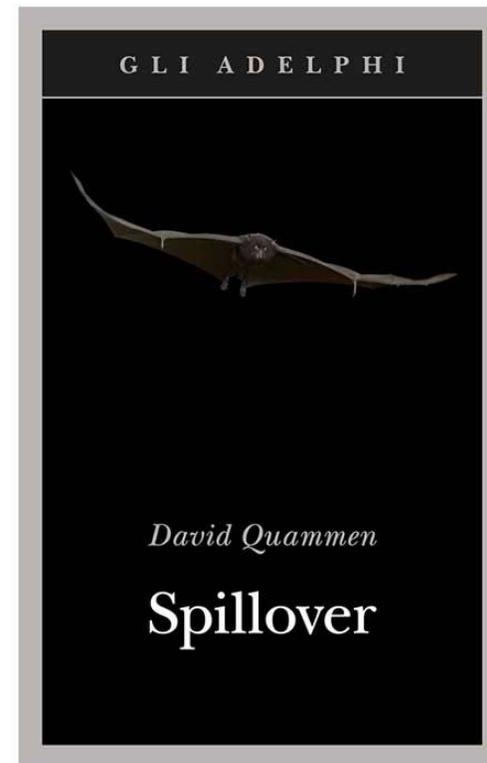
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6. Recovering from COVID-19 can be useful to
others...



AND...

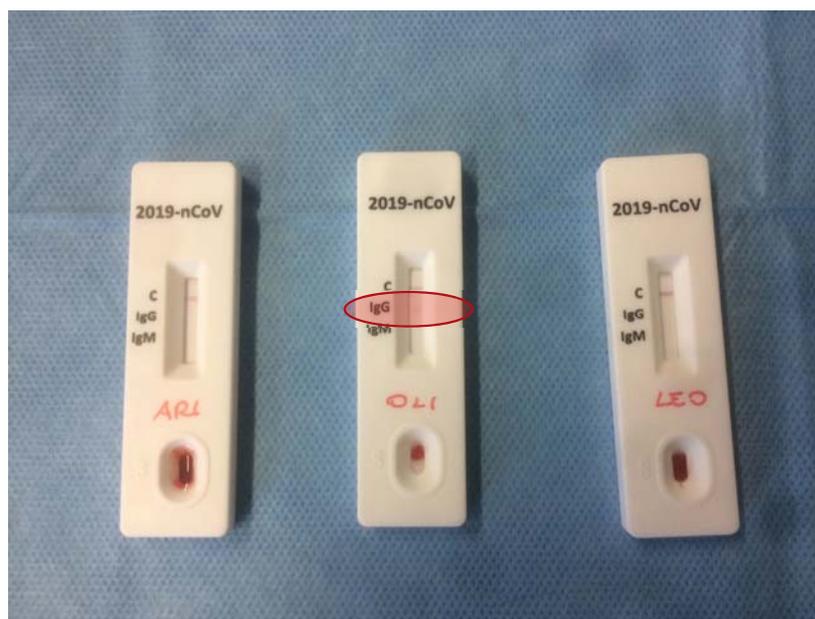
IT WAS HARD TO ME NOT THINKING
WHERE/WHEN I RECEIVED SARS-
COV-2 AND THAT SOMEONE IN MY
FAMILY GOT IT

(NO MATTER WHAT YOUR
DOCTORS TELL YOU AND WE
ALWAYS SAY THAT TO PATIENTS
WITH NEWLY DIAGNOSED HIV
INFECTIONS)



FEAR IS SOO COMMON IN COVID TIMES...

- The greatest fear most colleagues had was to infect their families
 - Some isolated themselves in a room
 - Others rented a small flat when working in COVID wards



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- Fear of being scaremongers
 - Some hospitals forbade the use of facial masks when NOT visiting patients



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 - Others rented a small flat when working in COVID wards
- Fear of being scaremongers
 - Some hospitals forbade the use of facial masks when NOT visiting patients
- Fear of being inadequate and not doing “enough”
 - Some of the treatment decisions we made were based on no evidence

VIEWPOINT

Finding Effective Treatments for COVID-19

Scientific Integrity and Public Confidence in a Time of Crisis

Jesse L. Goodman,
MD, MPH
Georgetown University,
Washington, DC.

Everyone wants new treatments and vaccines to address the devastation of coronavirus disease 2019 (COVID-19). But, currently, under intense pressure and based on hope and limited data from poorly conducted

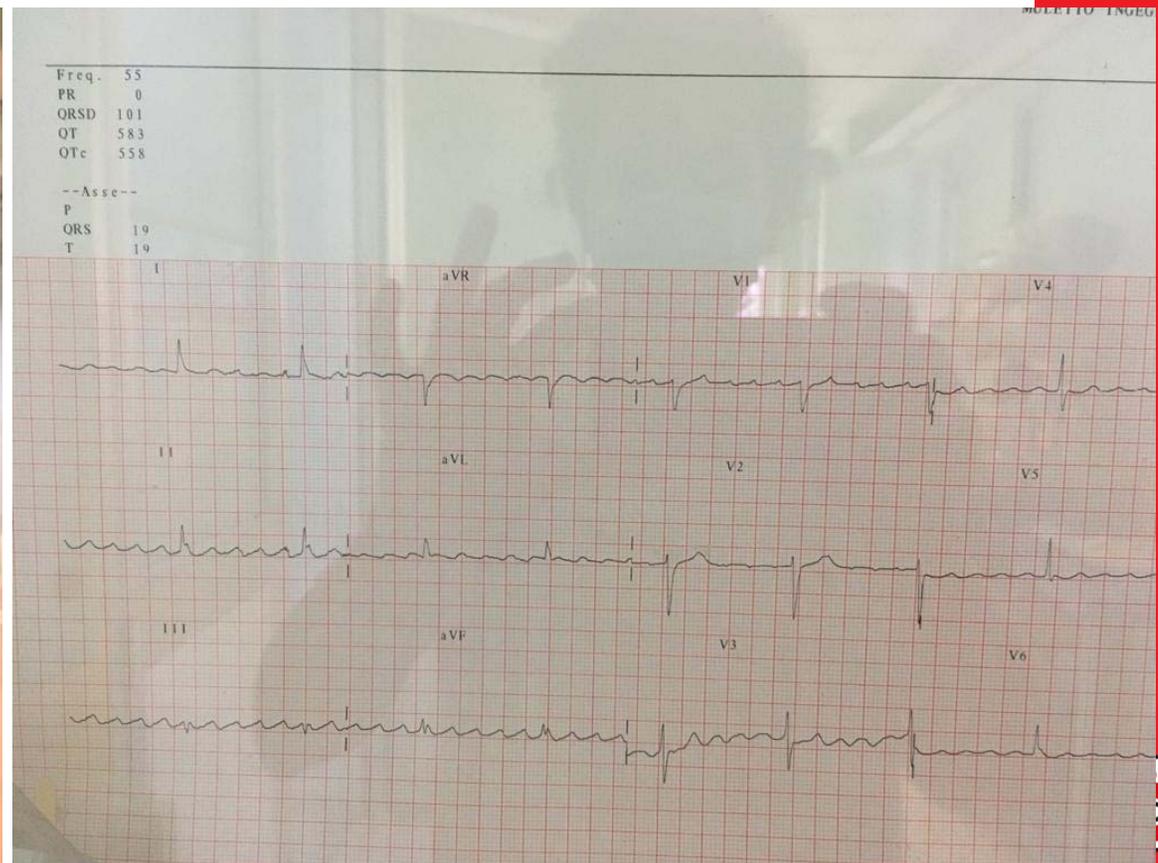
that any potential benefit afforded by this triple antibody product was less than that of 2 similar treatments. Furthermore, because of the deficit of RCTs, it is still not known whether other experimental Ebola treat-

PATIENTS' FEARS ARE CERTAINLY MORE
PROFOUND AND INCLUDE FEAR OF
DYING, FEAR OF HAVING INFECTED
SOMEONE IN THE FAMILY, IF BOTH
PARENTS ARE SICK FEAR OF WHO IS
GOING TO CARE FOR CHILDREN IN A
SARS-COV-2+ FAMILY
AND
ISOLATION ENHANCES SUCH FEARS...

TECHNOLOGY AND COVID-19

THE GOOD, THE BAD AND THE UGLY

<p>Camera: 2A, Mic: 1/16 PaO: 146/e</p> <p>SpO2: 98% 28 km D: Sp.</p> <p>EOP: MV presente <input checked="" type="checkbox"/> ridotto <input type="checkbox"/> Da <input type="checkbox"/> Sx <input type="checkbox"/> Crepitii <input type="checkbox"/> Monol <input type="checkbox"/> Bilat <input type="checkbox"/> Campo <input type="checkbox"/> Ronchi <input type="checkbox"/> Sibili <input type="checkbox"/></p> <p>EOC: T. validi <input type="checkbox"/> parafonici <input type="checkbox"/> ritmici <input type="checkbox"/> aritmici <input type="checkbox"/> Pause libere <input type="checkbox"/> soffi <input type="checkbox"/></p> <p>EQA: Globoso <input type="checkbox"/> Piano <input type="checkbox"/> Trattabile <input type="checkbox"/> Dolente <input type="checkbox"/> Sede <input type="checkbox"/> Dolore <input type="checkbox"/> Sede <input type="checkbox"/> Peristalsi Vivace <input type="checkbox"/> Torpida <input type="checkbox"/> Assente <input type="checkbox"/></p> <p>ALTRO: Non altro</p> <p>COSE da FARE: Non altro</p>	<p>Camera: 7B T: 38,3 FC: 72 FR: PaO: 115/80</p> <p>SpO2: 97% 28 km D: Sp</p> <p>EOP: MV presente <input type="checkbox"/> ridotto <input checked="" type="checkbox"/> Da <input type="checkbox"/> Sx <input type="checkbox"/> Crepitii <input type="checkbox"/> Monol <input type="checkbox"/> Bilat <input type="checkbox"/> Campo <input type="checkbox"/> Ronchi <input type="checkbox"/> Sibili <input type="checkbox"/></p> <p>EOC: T. validi <input type="checkbox"/> parafonici <input type="checkbox"/> ritmici <input type="checkbox"/> aritmici <input type="checkbox"/> Pause libere <input type="checkbox"/> soffi <input type="checkbox"/></p> <p>EQA: Globoso <input type="checkbox"/> Piano <input type="checkbox"/> Trattabile <input type="checkbox"/> Dolente <input type="checkbox"/> Sede <input type="checkbox"/> Dolore <input type="checkbox"/> Sede <input type="checkbox"/> Peristalsi Vivace <input type="checkbox"/> Torpida <input type="checkbox"/> Assente <input type="checkbox"/></p> <p>ALTRO: Non altro</p> <p>COSE da FARE: Non altro</p>
<p>Camera: 8A T: 36,6 FC: 73 FR: PaO: 94/60</p> <p>SpO2: 90% 28 km D: Sp</p> <p>EOP: MV presente <input type="checkbox"/> ridotto <input checked="" type="checkbox"/> Da <input type="checkbox"/> Sx <input type="checkbox"/> Crepitii <input type="checkbox"/> Monol <input type="checkbox"/> Bilat <input type="checkbox"/> Campo <input type="checkbox"/> Ronchi <input type="checkbox"/> Sibili <input type="checkbox"/></p> <p>EOC: T. validi <input type="checkbox"/> parafonici <input type="checkbox"/> ritmici <input type="checkbox"/> aritmici <input type="checkbox"/> Pause libere <input type="checkbox"/> soffi <input type="checkbox"/></p> <p>EQA: Globoso <input type="checkbox"/> Piano <input type="checkbox"/> Trattabile <input type="checkbox"/> Dolente <input type="checkbox"/> Sede <input type="checkbox"/> Dolore <input type="checkbox"/> Sede <input type="checkbox"/> Peristalsi Vivace <input type="checkbox"/> Torpida <input type="checkbox"/> Assente <input type="checkbox"/></p> <p>ALTRO: 2 Sinciche + polmonite</p> <p>COSE da FARE: Tattto O2</p>	<p>Camera: 8B T: 36,3 FC: 73 FR: PaO: 94/60</p> <p>SpO2: 90% 28 km D: Sp</p> <p>EOP: MV presente <input type="checkbox"/> ridotto <input checked="" type="checkbox"/> Da <input type="checkbox"/> Sx <input type="checkbox"/> Crepitii <input type="checkbox"/> Monol <input type="checkbox"/> Bilat <input type="checkbox"/> Campo <input type="checkbox"/> Ronchi <input type="checkbox"/> Sibili <input type="checkbox"/></p> <p>EOC: T. validi <input type="checkbox"/> parafonici <input type="checkbox"/> ritmici <input type="checkbox"/> aritmici <input type="checkbox"/> Pause libere <input type="checkbox"/> soffi <input type="checkbox"/></p> <p>EQA: Globoso <input type="checkbox"/> Piano <input type="checkbox"/> Trattabile <input type="checkbox"/> Dolente <input type="checkbox"/> Sede <input type="checkbox"/> Dolore <input type="checkbox"/> Sede <input type="checkbox"/> Peristalsi Vivace <input type="checkbox"/> Torpida <input type="checkbox"/> Assente <input type="checkbox"/></p> <p>ALTRO: Non altro</p> <p>COSE da FARE: Tattto O2</p>



TECHNOLOGY AND COVID-19

THE GOOD, THE BAD AND THE UGLY



TECHNOLOGY AND COVID-19

THE GOOD, THE BAD AND THE UGLY



The NEW ENGLAND
JOURNAL of MEDICINE

Use of Commercial Disinfectants to Treat Novel Coronavirus (Covid-19) through Oral Administration or Subdermal Injection

Amanda Kerri, M.D., Andre Young, M.D., Trapper John, M.D., Meredith Gray,
M.D., Douglas E. Powers, M.D.

Article

BACKGROUND

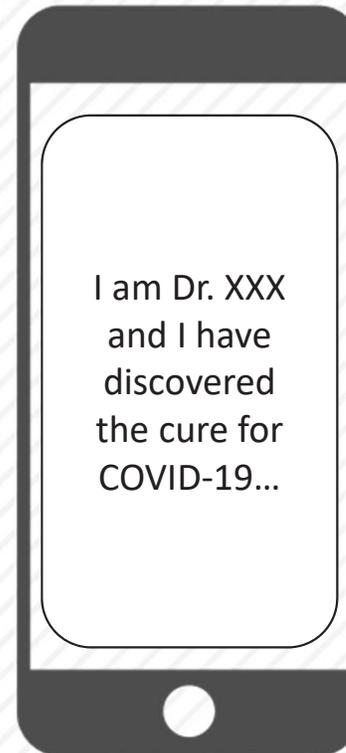
On March 23rd, 2020, President Donald J. Trump, during his daily briefings on the response to Covid-19, suggested the use of disinfectants to treat patients infected with the novel coronavirus Covid-19. We conducted a study on the efficacy of using commercial disinfectants through oral administration or subdermal injection.

METHOD

We read the labels on the bottles we found in the janitors closet.

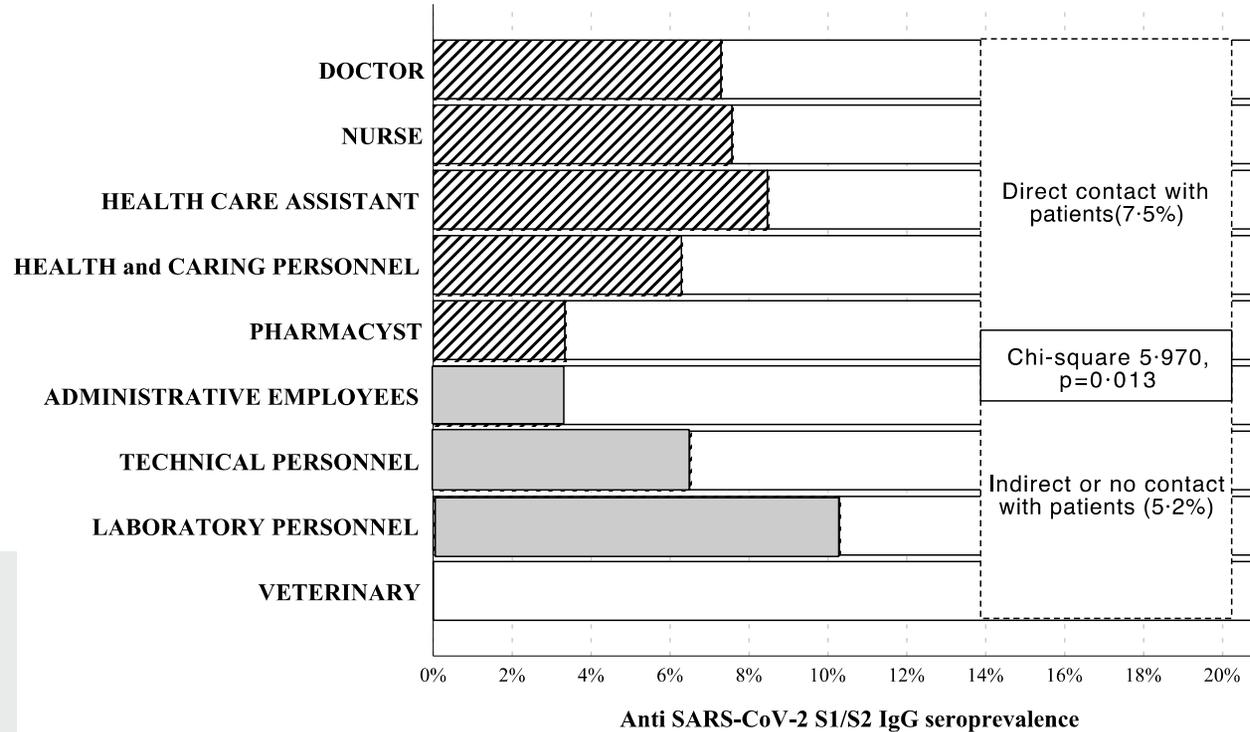
CONCLUSION

This will kill you. Don't do it.



THE RISK OF SARS-COV-2 IN HEALTHCARE WORKERS IN TURIN, NORTH-WEST ITALY (SUBMITTED)

N=5444
SEROPREVALENCE 6.9%



DIASORIN LIAISON SARS-CoV-2 S1/S2 IgG Test (chemiluminescence immunoassay)
Sens 90.4% (after 5 days) Spec >98%

ACKNOWLEDGEMENTS



28,924 health-care workers (out of 237,695 confirmed COVID-19 cases, on June 15th) have been infected in Italy since the beginning of the epidemics.

Unfortunately 163 doctors and 40 nurses lost their lives due to COVID-19.

The list of their names is reported on the website of the National Federation of Medical Doctors and Dentists (<https://portale.fnomceo.it/elenco-dei-medici-caduti-nel-corso-dellepidemia-di-covid-19/>)

PERSONAL ACKNOWLEDGEMENTS

To Gloria

For sharing the good and the bad moments and even COVID-19... and taking care of 3 kids during the lock down

To the Children

For being patient, for doing their best with all the online classes and also for asking during one dinner "Daddy what is tocilizumab?"

To my mother and to my sister

For taking care (including cooking and shopping) of us when we were sick

