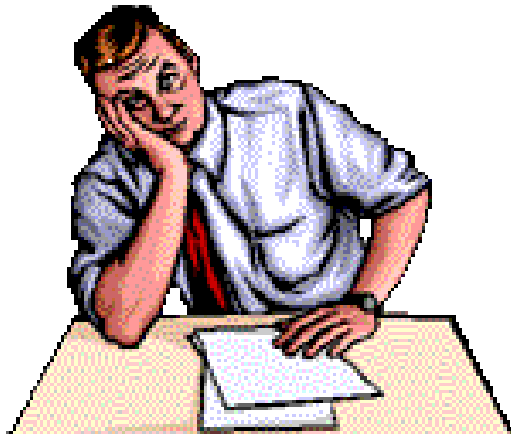


ΠΜΣ «Λοιμωξιολογία»

Εναρκτήρια Συνεδρία 12/10/2021

Μέσα Μαζικής Ενημέρωσης (Μ.Μ.Ε ???) και Λοιμώξεις (το παράδειγμα της Ivermectin)



A. Αρμαγανίδης

Καθηγητής Πνευμονολογίας

– Εντατικής Θεραπείας

Ιατρικής Σχολής ΕΚΠΑ

NO conflict

**ΤΕΚΜΗΡΙΩΜΕΝΗ
ΙΑΤΡΙΚΗ**

YES Interest

**ΤΕΧΝΙΚΕΣ ΛΗΨΗΣ
ΙΑΤΡΙΚΩΝ ΑΠΟΦΑΣΕΩΝ**

**ΠΡΟΣΔΙΟΡΙΣΜΟΣ ΠΙΘΑΝΟΤΗΤΩΝ
ΜΕ ΜΕΓΑΛΥΤΕΡΗ ΑΚΡΙΒΕΙΑ**

ΑΝΑΛΥΣΗ ΛΗΨΗΣ ΑΠΟΦΑΣΕΩΝ

**ΘΕΡΑΠΕΥΤΙΚΑ ΚΑΙ
ΔΙΑΓΝΩΣΤΙΚΑ ΟΡΙΑ**

**ΑΝΑΛΥΣΗ ΚΟΣΤΟΥΣ –
ΑΠΟΤΕΛΕΣΜΑΤΙΚΟΤΗΤΑΣ**

**ΑΝΑΖΗΤΗΣΗ
ΒΙΒΛΙΟΓΡΑΦΙΑΣ**

ΑΝΑΖΗΤΗΣΗ ΣΤΟ MEDLINE

ΑΝΑΖΗΤΗΣΗ ΣΤΟ INTERNET

**ΔΙΑΡΚΗΣ ΒΙΒΛΙΟΓΡΑΦΙΚΗ
ΕΝΗΜΕΡΩΣΗ**

**ΑΞΙΟΛΟΓΗΣΗ ΑΞΙΟΠΙΣΤΙΑΣ
ΙΑΤΡΙΚΗΣ ΠΛΗΡΟΦΟΡΙΑΣ**

**ΟΔΗΓΟΣ ΓΙΑ ΑΞΙΟΛΟΓΗΣΗ
ΑΞΙΟΠΙΣΤΙΑΣ ΜΕΛΕΤΩΝ**

ΑΞΙΟΛΟΓΗΣΗ ΜΕΛΕΤΩΝ ΓΙΑ:
Διαγνωστικά tests
Θεραπευτικές παρεμβάσεις
Πρόγνωση

ΑΞΙΟΛΟΓΗΣΗ ΒΙΒΛΙΟΓΡΑΦΙΑΣ:
Ανασκοπίσεις – Μετα-αναλύσεις
Guidelines – Αναλύσεις διάφορες

ΠΛΑΝΟ ΠΑΡΟΥΣΙΑΣΗΣ

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- Επιστημονική αξιολόγηση δεδομένων (EBM)
- Αξιολόγηση ερευνητών και κινήτρων δημοσίευσης μελετών (False Science/peer review)
- Οι παρενέργειες των ΜΜΕ και οι επιπτώσεις τους διεθνώς (pan-demic + Info-demic)
- Οριοθέτηση της αβεβαιότητας και προσπάθεια περιορισμού της
- Βαθμός τεκμηρίωσης της γνώσης για τη λήψη αποφάσεων και όχι για αποκάλυψη της αλήθειας

"Πόλεμος" Γεωργιάδη-Πολάκη και Ιβερμεκτίνη

© 11:40 πμ, Τρίτη 03 Αυγ 2021 11:40 πμ, Τρίτη 03 Αυγ 2021



Γεωργιάδης: Ο Πολάκης μου πρότεινε για άλογα και αγελάδες - Δείτε τη της FDA

Νέα κόντρα Πολάκη - Γεωργιάδη για φάρμακο του κορονοϊού: "Ελα, ζωντόβολο Γεωργιάδη!" - 'Είναι φάρμακο για άλογα'

ΓΡΑΦΕΙ: THEOTC TEAM published 23 Αυγ. 21 (12:14)



Άμεση ήταν η απάντηση του Παύλου Πολάκη στον Υπουργός Ανάπτυξης και Επενδύσεων Άδωνις Γεωργιάδης, σχετικά με την συμβουλή που του έδωσε για χορήγηση της Ιβερμεκτίνης, όταν νοσούσε από κορονοϊό.



Διάβασε αυτά ,είναι της τελευταίας εβδομάδας για τα θετικά αποτελέσματα από τη χρήση Ιβερμεκτίνης για τον COVID-19! (αν μπορείς να τα καταλάβεις βέβαια, αλλά προσπαθησε):

1) Μετά ανάλυση 63 μελετών(φωτό 1)

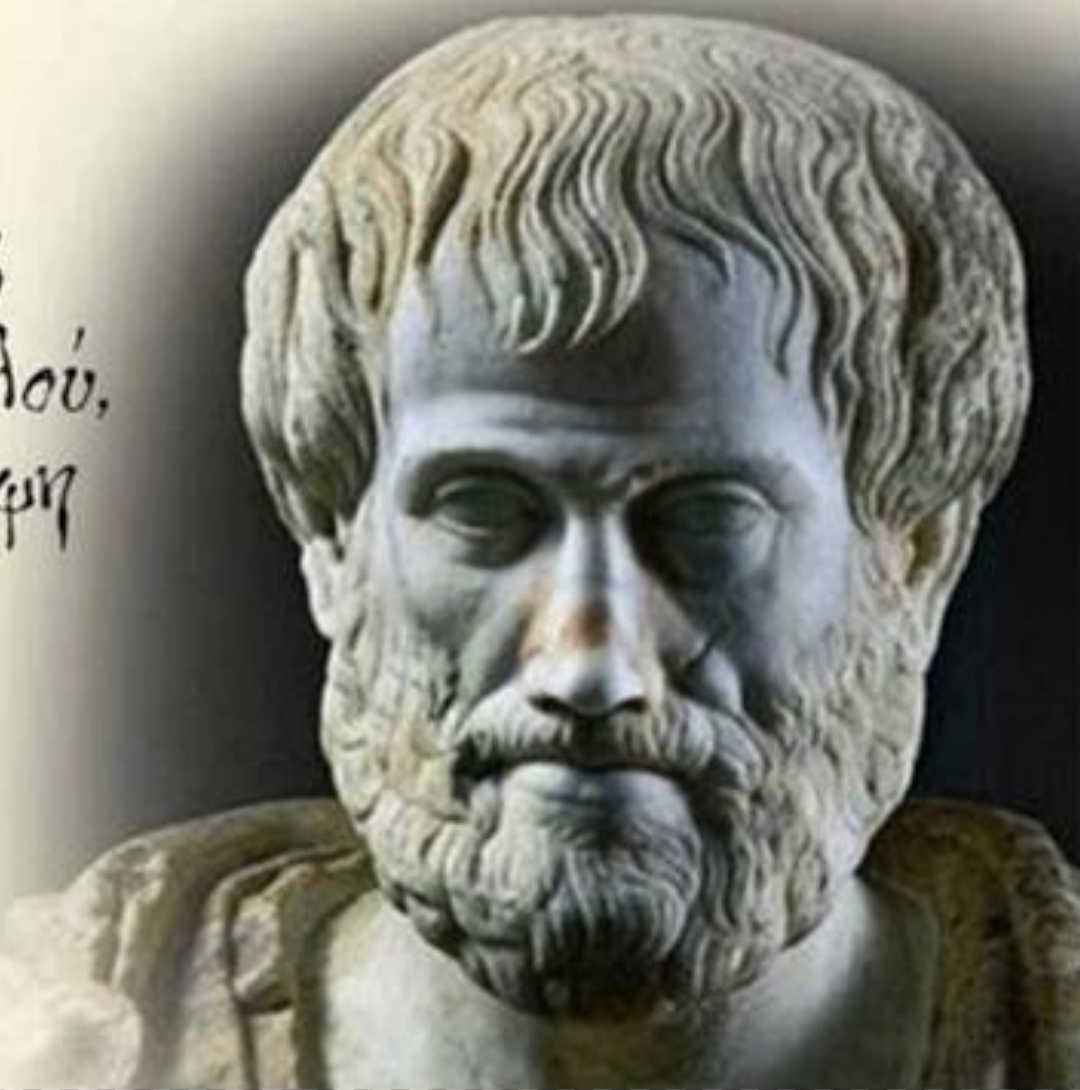
<https://ivmmeta.com/>

2)Μετά ανάλυση 15 μελετών (φωτό 2)

https://journals.lww.com/.../ivermectin_for_prevention...

Είναι χαρακτηριστικό
ενός εξελιγμένου μυαλού,
να φιλοξενεί μια όκέφη
έστω και αν δεν την
αποδέχεται.

Αριστοτέλης



Medscape – Jul 14, 2021

- Ivermectin is an antiparasitic agent that has been used to treat **scabies**, **river blindness**, and **filariasis**, among others. You may give it to your dog to prevent **heartworm**.

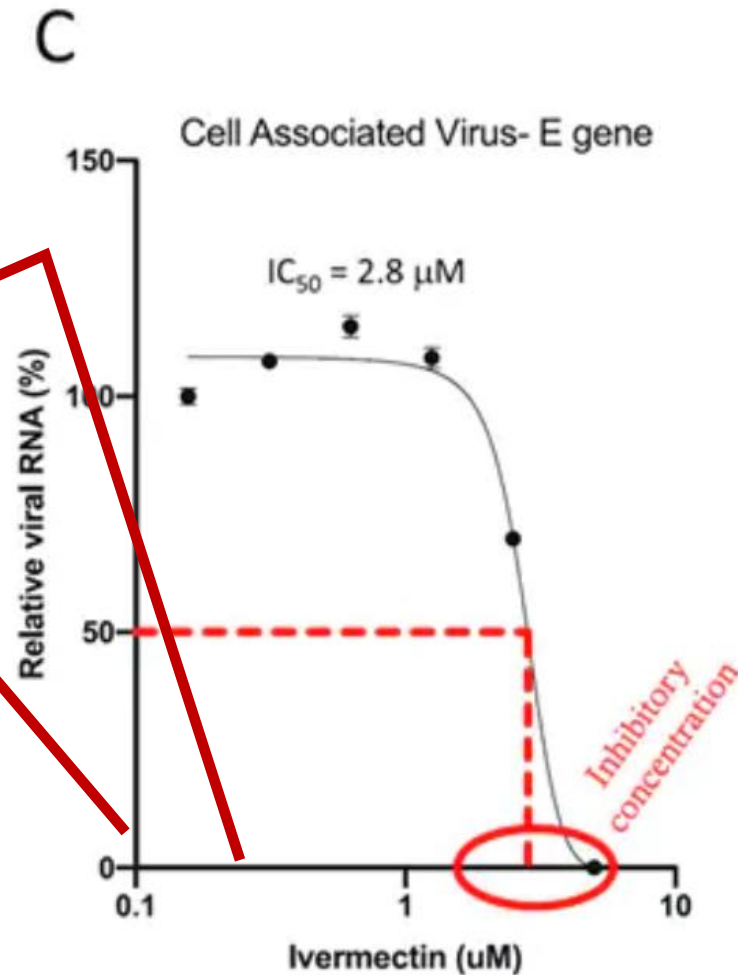
Discovered in 1975, the drug has been in worldwide use for nearly five decades and appears on the WHO list of essential medicines. Ivermectin binds to certain chloride channels on nerve and muscle cells, paralyzing the creature exposed to it. These channels are present in worm and insect nervous systems, which is why the drug works. Humans have the channels too, but only in our brains and spinal columns. Since ivermectin can't cross the blood-brain barrier, we are spared from its effects.

But you will note that SARS-CoV-2 has no muscles or nerves. So why the interest in this drug for this virus?

Caly et al 2020
Antiviral Res.

0,28 μM
(1700 $\mu\text{G}/\text{Kg}$)

0,025 μM
(200 $\mu\text{g}/\text{Kg}$)



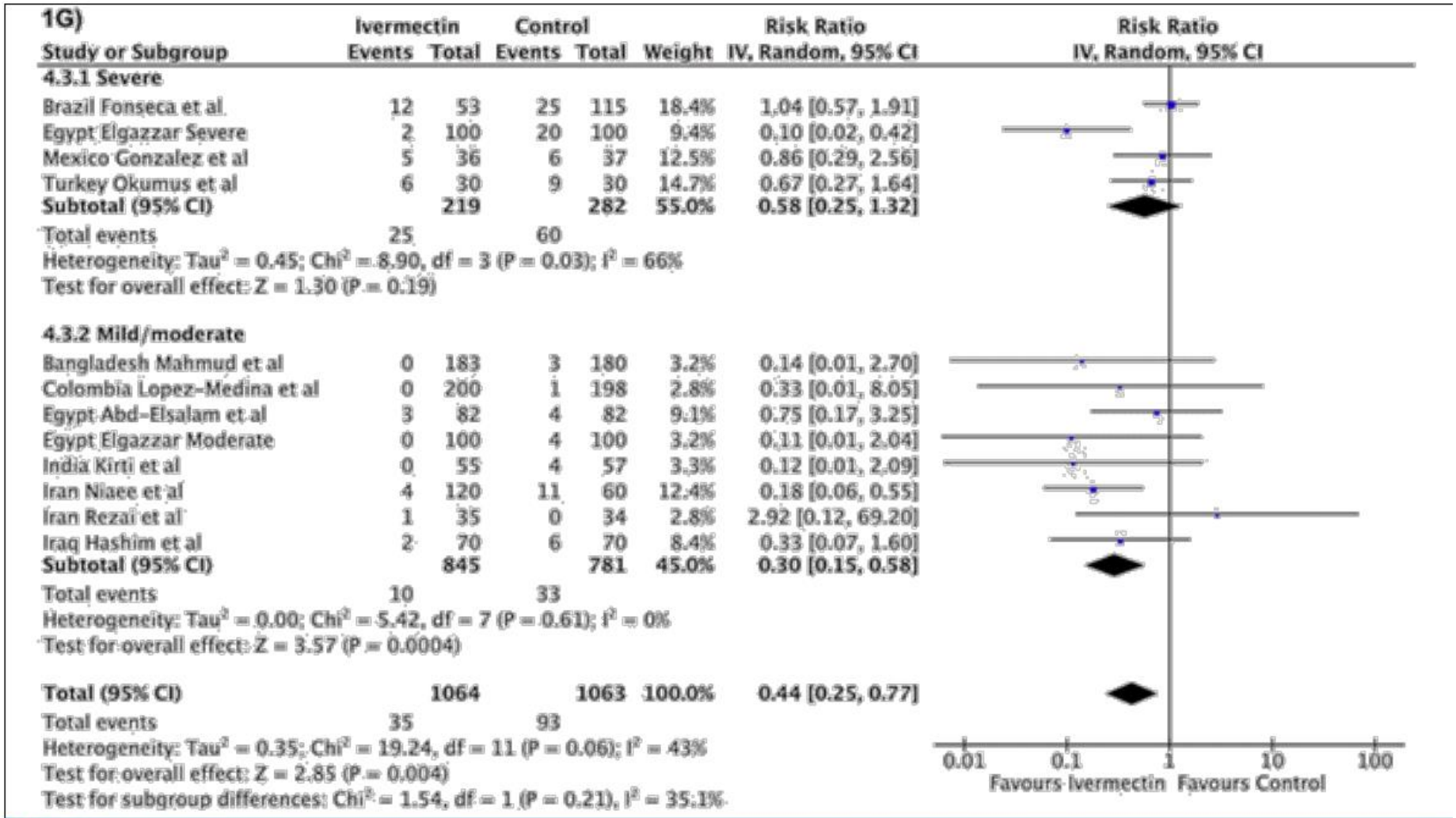
Biological
plausibility ?
= "is not high"

Log scale

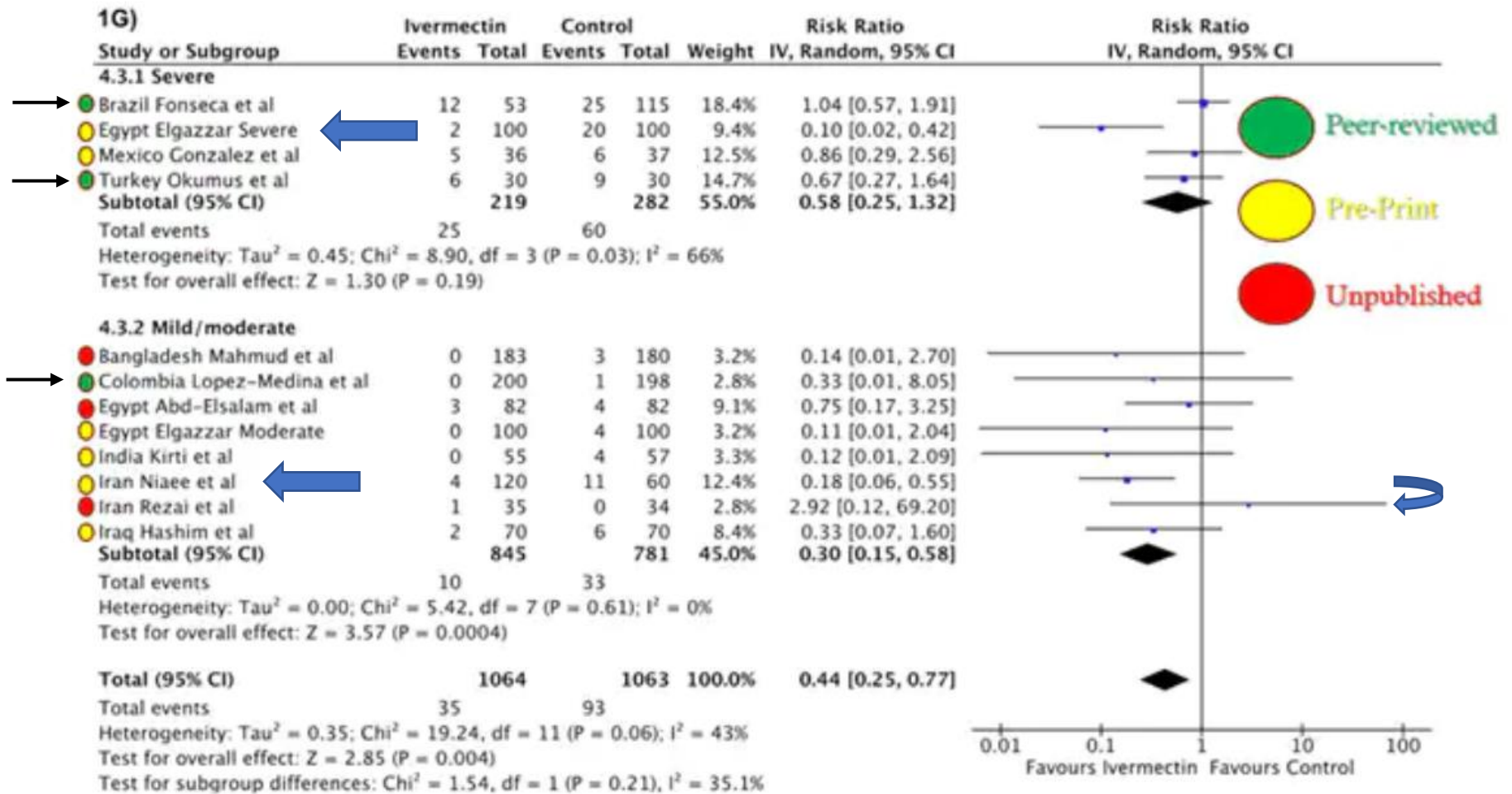
Medscape

Caly L, et al. *Antiviral Res.* 2020;178:104787. <https://doi.org/10.1016/j.antiviral.2020.104787>

The inhibitory concentration of the drug, around 2.5 micromolar, is not achievable in real live humans. In fact, standard ivermectin dosing achieves blood concentrations of about 25 nanomolar, **100-fold less** than what was needed in vitro. Lung concentrations are a bit higher than blood concentrations but still **50-fold less** than what is needed.



24 randomized trials of ivermectin — a total of 3328 patients — a variety of outcomes
 Mortality = 11 trials with about 2000 patients total had death data available.
 Death rate of 3% in the ivermectin arm and 8.7% in the comparator arm, a statistically significant result.



The authors aggregated data from studies that were peer-reviewed, those that were hosted on preprint servers, and those whose results they obtained through a network of researchers interested in ivermectin — even if the studies hadn't been published elsewhere. (ορισμός)

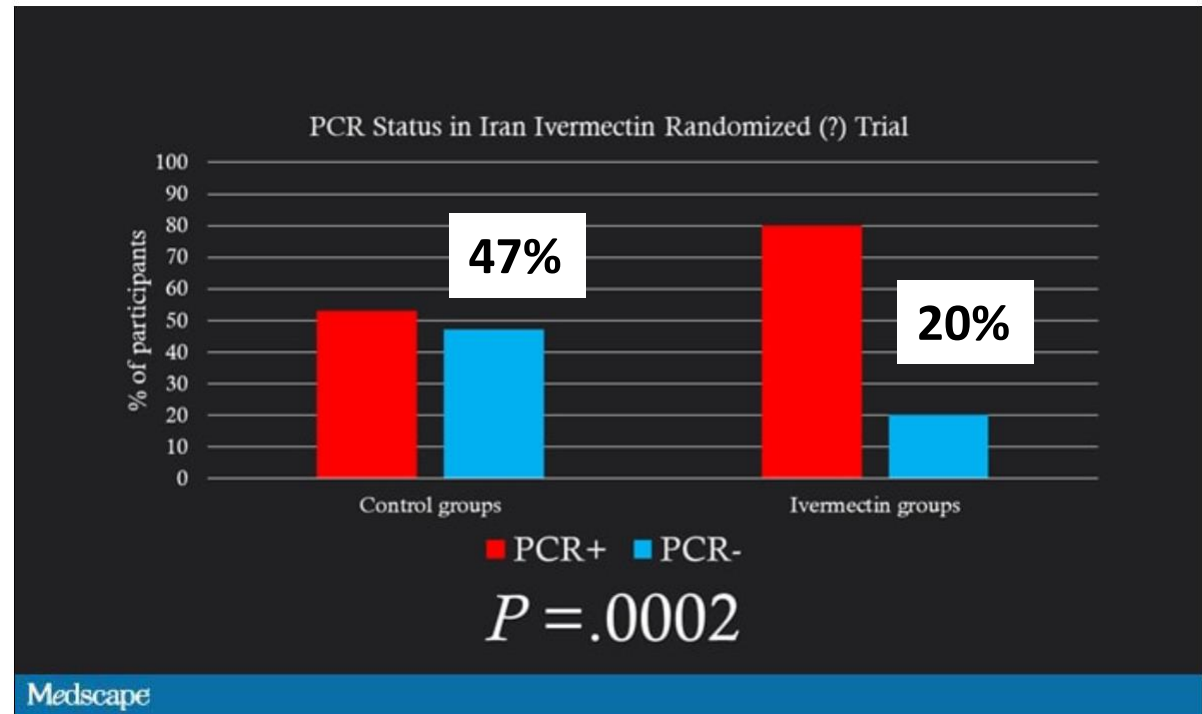
Ivermectin as an adjunct treatment for hospitalized adult COVID-19 patients: A randomized multi-center clinical trial

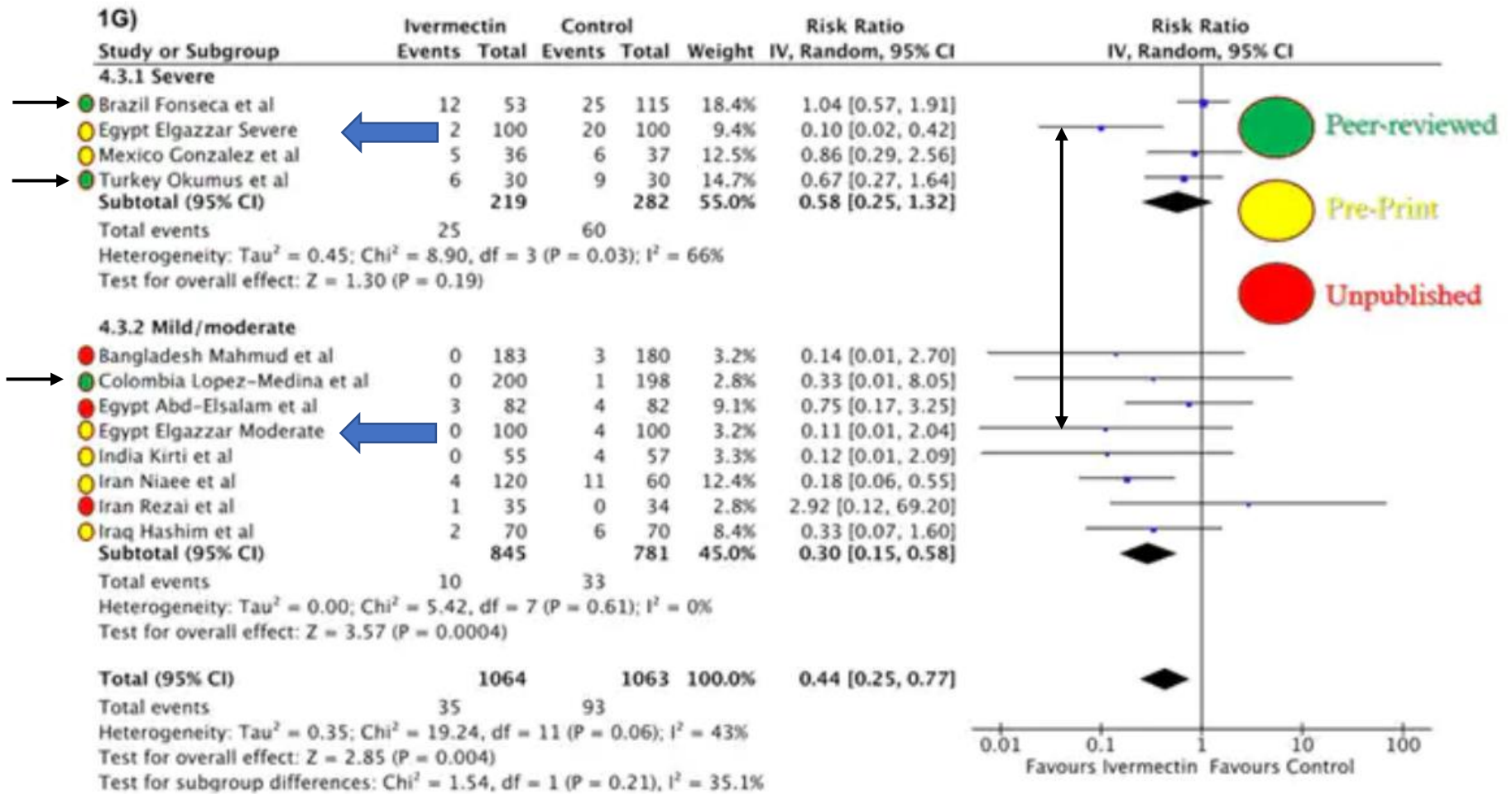
Morteza Shakhsi Niaee

Six – arm RCT
a total of 180 pts
(30 pts/group)
Ivermectin at
4 different doses +
Hydroxychloroquine
+ control

5 hospitals in Iran

Such a discrepancy would occur 2 out of 10000 if randomization was, well, random (equal weight)





Σύγκριση Ivermectin vs. Hydroxychloroquine in 400 pts
 Mortality in moderately ill = 0 vs. 4 deaths, in severely ill 2 vs. 20 deaths (90%)

If you remove the Iran and Elgazzar papers, the protective effect of ivermectin in the metaanalysis disappears: <https://twitter.com/GidMK/status/1412635846218448896>

Efficacy and Safety of Ivermectin for Treatment and prophylaxis of COVID-19 Pandemic

Ahmed Elgazzar (✉ dr_ahmed_elgazzar@yahoo.com)

Banha University

Variable		IVM / Moderate	HCQ / Moderate	P-value	IVM / Severe	HCQ / Severe	P-value
Hgb (gm/dl)	Mean ±SD	12.6 ± 1.8	12.9 ± 2.1	0.28	11.2 ± 1.9	10.9 ± 1.2	0.18
	Range	10 -14	9 - 15		9 -12	10 -13	
TLC (X 10 ³ / mL)	Mean ±SD	5.8± 1.2	6.2± 1.8	0.07	7.3± 1.4	6.9± 2.1	0.11
	Range	4-9	4.3-10.2		4.8-11.2	5.1-13.7	
Lymphocyte (%)	Mean ±SD	18 ± 2.3	17 ± 3.1	0.01	16 ± 2.8	17 ± 1.9	0.004
	Range	14 - 20	15 - 18		13 - 19	9 - 18	
CRP (mg/l)	Mean ±SD	48.4 ± 14.6	50.6 ± 18.3	0.35	64.8 ± 16.4	68.2 ± 18.6	0.17
	Range	10 - 69	12 - 89		18 - 64	24 - 82	
Serum ferritin (ng/ml)	Mean ±SD	168.4±12.6	172±18.6	0.11	420±72.8	334±108.6	<0.001
	Range	154-186	158-194		188-472	192-630	
D dimer (mg/l)	Mean ±SD	4.8±1.8	5.4±2.1	0.03	9.6±1.2	10.2±2.8	0.05
	Range	4.3-5.6	3.2-6.2		8.2-10.4	8.6-11.2	

Elgazzar et al 2021: an interesting evolution

Jack Lawrence = paper assigned to him by his lecturers for his master

FINDINGS = Plagiarism, a thesaurus to change key words

(ARDS = Extreme intense respiratory syndrome)

Raw data discrepancies = 3 < 18 years old, different number of deaths in raw data than the reported ones

List of questions to authors = no answer

Nick Brown data analyst in Sweden

Many errors and at least 79 the patient records are obvious clones of other records with minor changes

Gideon Meyerowitz- Katz Australian

epidemiologist => Data totally faked, conclusions entirely reversed

Kyle Sheldrick, Sydney researcher

Mathematically impossible results suggesting possible fabrication

**The
Guardian**

News Opinion Sport Culture Lifestyle



Medical research

Huge study supporting ivermectin as Covid treatment withdrawn over ethical concerns

Melissa Davey

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Ivermectin: How false science created a Covid 'miracle' drug

By Rachel Schraer & Jack Goodman
BBC Reality Check



GETTY IMAGES

ΠΛΑΝΟ ΠΑΡΟΥΣΙΑΣΗΣ

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Ερευνητικός παροξυσμός ή εργασιο-ρύπανση ?



Michael Z. David, MD, PhD

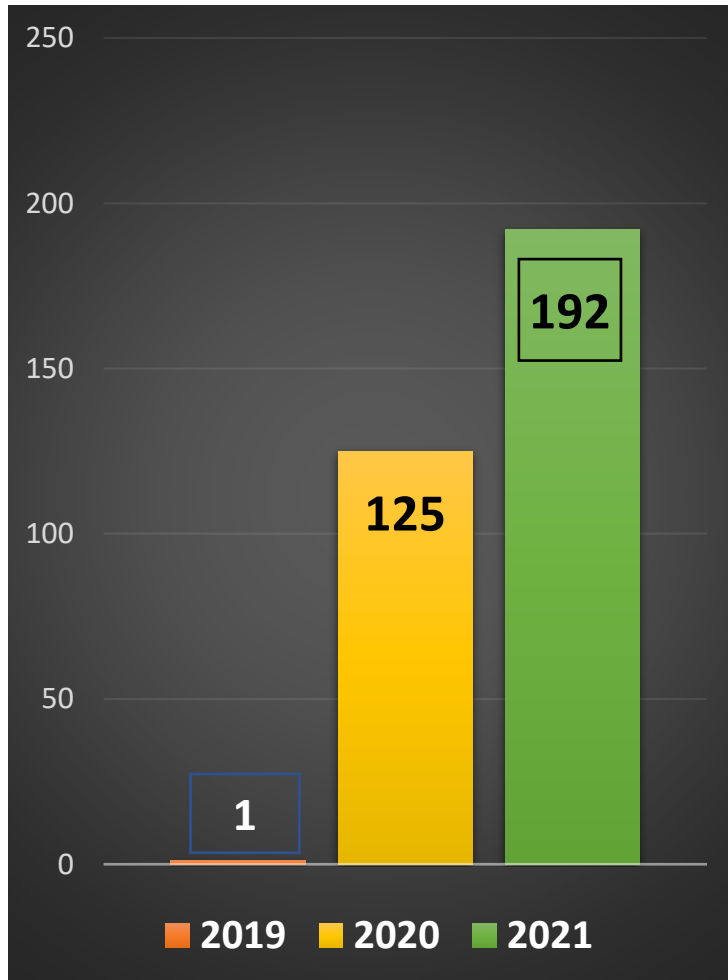
@MichaelDavid80

...

In about 3 days, the number of PubMed citations to COVID-19 in PubMed (now 168,928, all in 2020-21) will exceed those for Staphylococcus (169,445, for 1881-2021).

9:39 μ.μ. · 21 Αυγ 2021 · Twitter for iPhone

294 publications (12/10/2021)



Current meta-analyses of studies of ivermectin from around the world have shown the drug's potent benefits against SARS-CoV-2. Ivermectin is the eradication of a "pandemic" of parasitic diseases across multiple continents Nobel Prize for Physiology or Medicine for its discoverers, Dr. Satoshi Omura and Dr. W

In related news, the manuscript written by the FLCCC has been a rigorous peer review, in *Frontiers in Pharmacology*. The full paper will be published in the next couple of weeks, however the [🔗 preview can be found here](#).

ΑΡΧΙΚΗ / ΙΒΕΡΜΕΚΤΙΝΗ COVID-19

ΣΥΧΝΕΣ ΕΡΩΤΗΣΕΙΣ

ΟΔΗΓΟΣ ΓΙΑ ΑΣΘΕΝΕΙΣ ΚΑΙ ΣΥΓΓΕΝΕΙΣ

ΠΛΗΡΟΦΟΡΙΕΣ ΓΙΑ ΚΟΙΝΗ ΧΡΗΣΗ ΜΕ ΤΟ
ΓΙΑΤΡΟ ΣΑΣ

ΠΩΣ ΝΑ ΠΑΡΕΤΕ ΤΟ ΙΒΕΡΜΕΚΤΙΝ

ΜΑΣΚΕΣ! - ΕΚΚΑΘΑΡΙΣΗ ΤΗΣ ΣΥΓΧΥΣΗΣ

The FLCCC Alliance was organized in March, 2020 by a group of highly published, world renowned Critical Care physician/scholars –

One week after **Dr. Paul Marik and Dr. Pierre Kory**—founding members of the **Front Line Covid-19 Critical Care Alliance** (FLCCC)— along with **Dr. Andrew Hill**, researcher and consultant to the World Health Organization (WHO), presented their data before the NIH Treatment Guidelines Panel, the NIH has upgraded their recommendation on ivermectin, making it an option for use in COVID-19.



“Patients in our ICU do not die of sepsis. It just does not happen.”

-Paul E. Marik, MD
Chief, Pulmonary and Critical Care
Medicine
Eastern Virginia Medical School

8,5 % vs. 40,4%
(47 vs. 47 pts)

**Special
Cocktail =**

**Vitamin C,
Thiamine and
CCS**

Medscape

JAMA | **Original Investigation** | **CARING FOR THE CRITICALLY ILL PATIENT**

Effect of Vitamin C, Thiamine, and Hydrocortisone on Ventilator- and Vasopressor-Free Days in Patients With Sepsis **The VICTAS Randomized Clinical Trial**

JAMA 2021

Jonathan E. Sevransky, MD, MHS; Richard E. Rothman, MD, PhD; David N. Hager, MD, PhD; Gordon R. Bernard, MD; Samuel M. Brown, MD; Timothy G. Buchman, PhD, MD; Laurence W. Busse, MD, MBA; Craig M. Coopersmith, MD; Christine DeWilde, PhD; E. Wesley Ely, MD, PhD; Lindsay M. Eyzaguirre, MS; Alpha A. Fowler, MD; David F. Gaieski, MD; Michelle N. Gong, MD; Alex Hall, DHSc, MS; Jeremiah S. Hinson, MD, PhD; Michael H. Hooper, MD; Gabor D. Kelen, MD; Akram Khan, MD; Mark A. Levine, MD; Roger J. Lewis, MD, PhD; Chris J. Lindsell, PhD; Jessica S. Marlin, CCRP; Anna McGlothlin, PhD; Brooks L. Moore, MD; Katherine L. Nugent, MD; Samuel Nwosu, MS; Carmen C. Polito, MD, MSc; Todd W. Rice, MD, MSc; Erin P. Ricketts, MSPH; Caroline C. Rudolph, MBA; Fred Sanfilippo, MD, PhD; Kert Viele, PhD; Greg S. Martin, MD, MSc; David W. Wright, MD; for the VICTAS Investigators

The VICTAS Trial: How Many More RCTs do we Need on the Metabolic Cocktail in Sepsis?

Written by Salim Rezaie | REBEL Crit | Medical Category: Infectious Disease | One Comment



The VICTAS Trial:
How Many More RCTs do we
Need on the Metabolic
Cocktail in Sepsis?



Clinical Take Home Point: This is now the 7th RCT looking at the use of the metabolic cocktail (vitamin C, thiamine, and hydrocortisone) in the management of sepsis/septic shock. Throwing more research resources behind an initiative that is not supported by evidence is a distraction when the resources available are finite.

This issue should have been settled after the first 3 RCTs, there is no point in continuing to beat on a dead horse.

Έκκληση του καθ. Pierre Kory για το φάρμακο Ivermectin.
Επιτρέψτε να θεραπευτούν οι άνθρωποι στις
εντατικές (video) ??? !!!

2/9/2021



Με αυτή την συγκλονιστική έκκληση, γεμάτος συγκίνηση ο γιατρός Pierre Kory, ζήτησε από την Αμερικανική γερουσία, να δοθεί το **φάρμακο Ivermectin (Ιβερμεκτίνη)**.

Το φάρμακο προφύλαξης και θεραπείας του ιού με επιτυχία άνω του 99% στους ασθενείς του covid – 19 που βρίσκονται στην εντατική!

“Προσεγγμένη” διατύπωση που δημιουργεί εσφαλμένες εντυπώσεις

PRESS RELEASE | January 15, 2021

NIH Revises Treatment Guidelines Ivermectin for the Treatment of COVID-19

Ivermectin is Now Doctors

This new designation upgraded the status of ivermectin from “against” to “neither for nor against”, which is the same recommendation given to monoclonal antibodies and convalescent plasma, both widely used across the nation.

Who By no longer recommending against ivermectin use, doctors should feel more open in prescribing ivermectin as another therapeutic option for the treatment of COVID-19. This may clear its path towards FDA emergency use approval.

Dr. Kory—founding members of the **Front Line Covid-19** with Dr. Andrew Hill, researcher and consultant to the (WHO), presented their data before the NIH Treatment Guidelines upgraded their recommendation on ivermectin, making it an option for use in

46
ization

ΠΛΑΝΟ ΠΑΡΟΥΣΙΑΣΗΣ

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Εμβολιάστηκε ο Nick Cave - «Σημαντική στιγμή για την ιστορία της ιατρικής»



Ο Nick Cave/ Φωτογραφία AP Eduardo Verdugo

NEWSROOM IEFIMERIDA.GR

19/08/2021 10:39

Που είναι η είδηση ? Πόσοι άλλοι ?

ΚΟΣΜΟΣ

31.08.2021 | 10:32

ΗΠΑ: Πέθανε από κορωνοϊό 30χρονος που διοργάνωνε συλλαλητήρια

Όταν νόσησε προτίμησε να παίρνει ασπιρίνες, βιταμίνη C και ιβερμεκτίνη, ένα φάρμακο για αποπαρασίτωση αλόγων και βοοειδών



Ιβερμεκτίνη: Το πανεπιστήμιο της Οξφόρδης υιοθετεί το φάρμακο για τον κορονοϊό που δαιμονοποίησε ο ΠΟΥ!

ΥΓΕΙΑ



[Home](#) > [News](#) > Ivermectin to be investigated as a possible treatment for COVID-19 in Oxford's PRINCIPLE trial

PUBLISHED
23 JUN 2021

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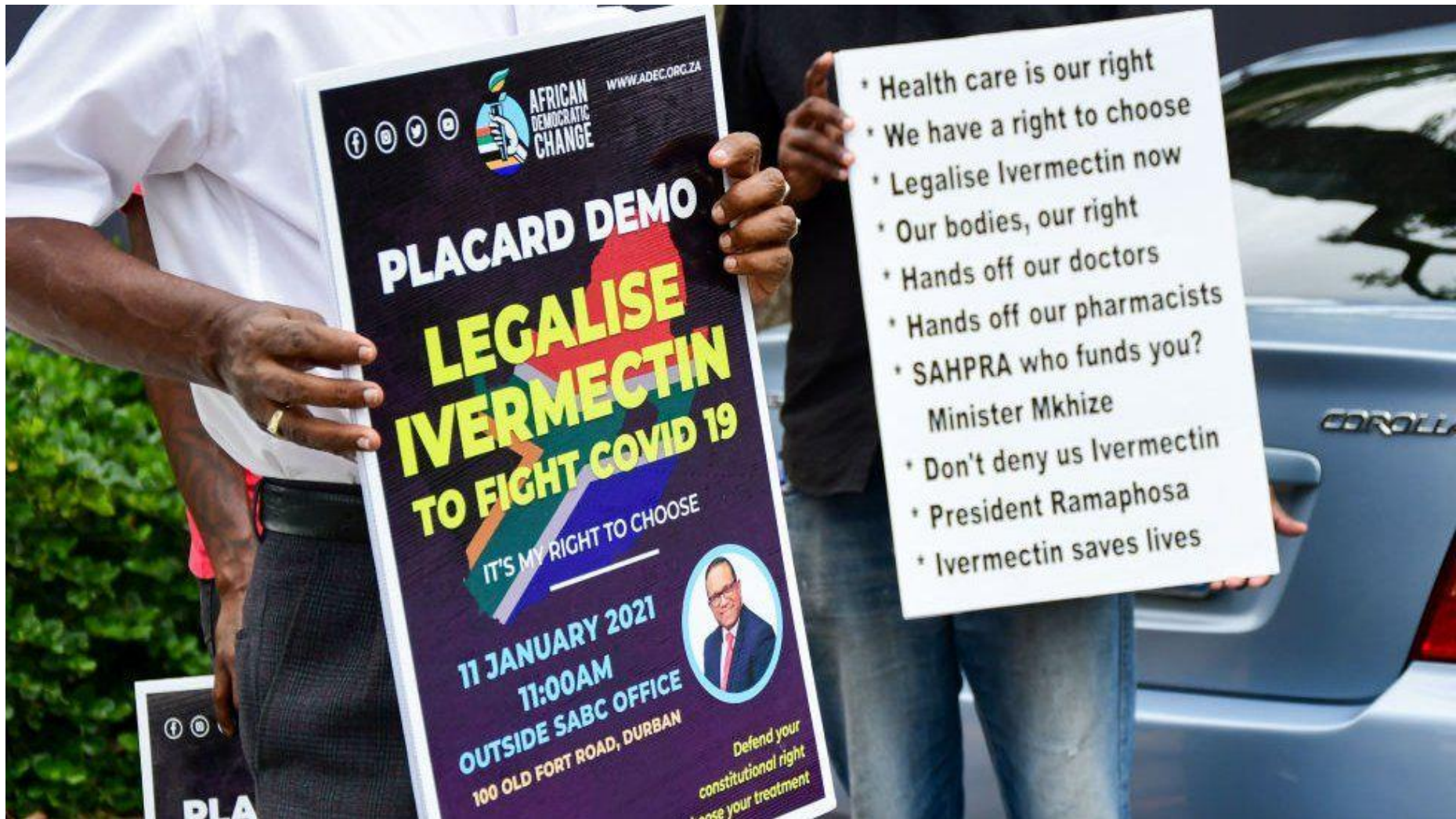


Ivermectin to be investigated as a possible treatment for COVID-19 in Oxford's PRINCIPLE trial

RESEARCH HEALTH CORONAVIRUS

23 June 2021





DURBAN = η δεύτερη σε πληθυσμό πόλη της Νοτίου Αφρικής

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Messages

Search
Orders
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Home > All Industries > Pet Products > Other Pet Products [Subscribe to Trade Alert](#)

Note: Please be cautious and check with your supplier if this product is for virus protection purposes and if the coronavirus (COVID-19) will affect your order.

Ship to Greece by
Seller's Shipping Me... \$5.00

Processing Time 5 day

Shipping time 9-25 days

Start Order

Contact Supplier

Call us

Add to cart

Gold Supplier

Ningbo Greatdanes Pet Products...

Manufacturer, Trading Company

CN 5 YRS

≤6h Response Time

98.5% On-time delivery rate




Cats&Dogs

Ready to Ship In Stock Fast Dispatch

Ivermectin Tablets 5mg/7.5mg 100 tablets

★★★★☆ 4.2 5 Reviews

\$21.90 - \$25.90 / Box | 1 Box/Boxes (Min. Order)

Color:		\$25.90	- 0 +
		\$23.90	- 0 +
		\$21.90	- 0 +

Protection : Trade Assurance protects your Alibaba.com orders



100 pills



View larger image

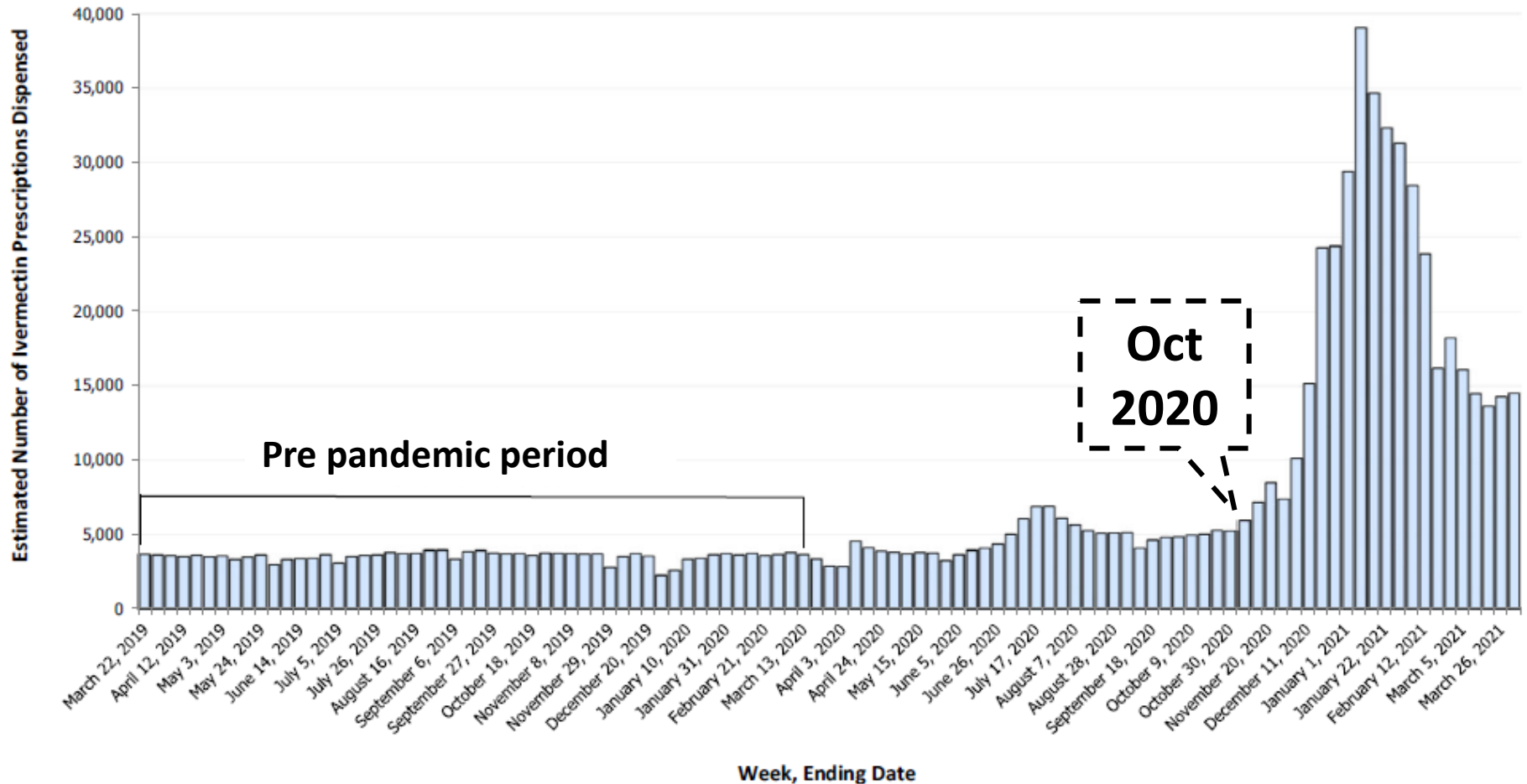


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Increase in Outpatient Ivermectin Dispensing in the US During the COVID-19 Pandemic: A Cross-Sectional Analysis

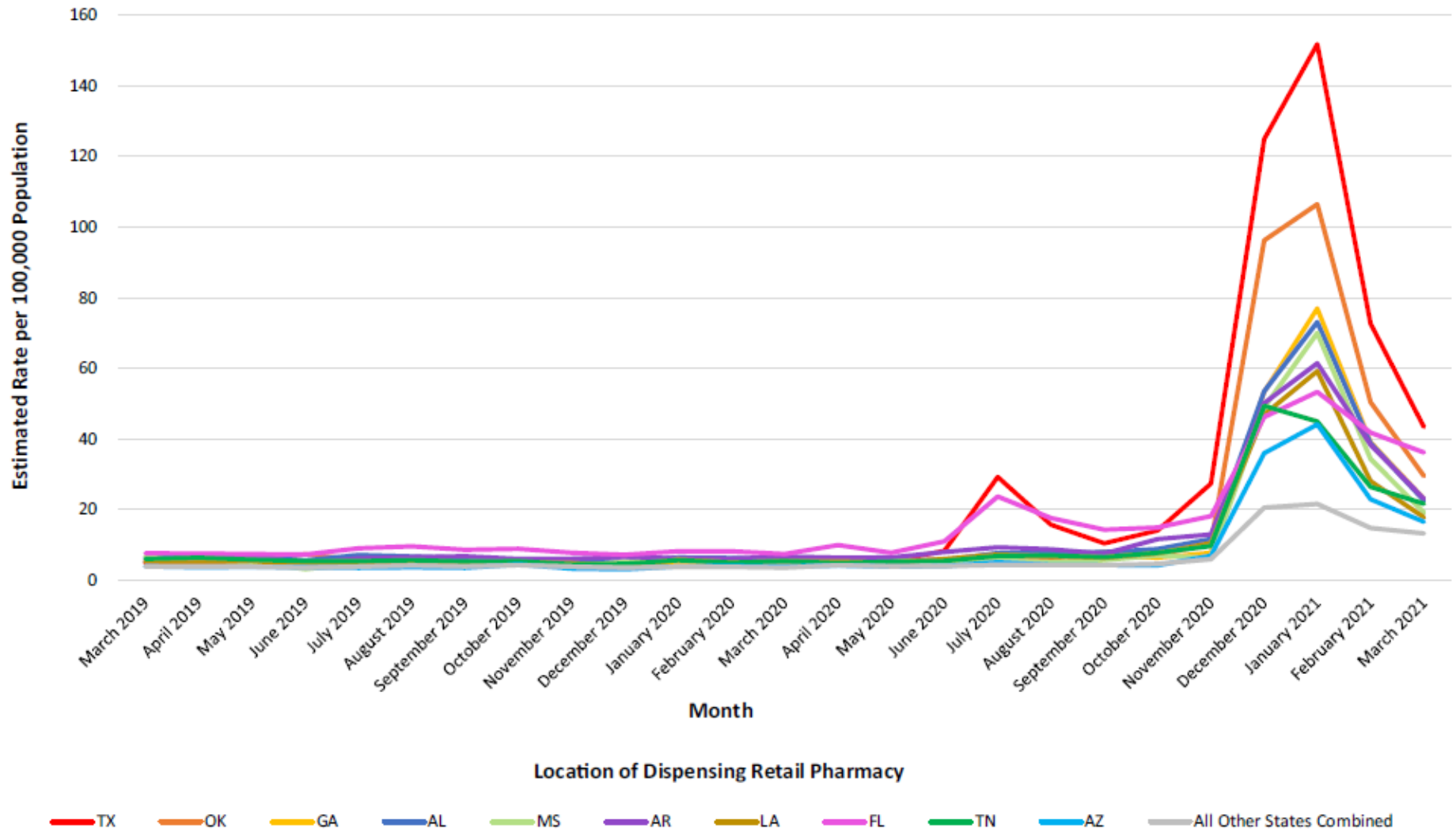
J Gen Intern Med 36(9):2909–11

Lind et al.: Increase in Outpatient Ivermectin Dispensing






Increase in Outpatient Ivermectin Dispensing in the US During the COVID-19 Pandemic: A Cross-Sectional Analysis

J Gen Intern Med 36(9):2909–11



Effect of Infodemic Regarding the Illegal Sale of Medications on the Internet: Evaluation of Demand and Online Availability of Ivermectin during the COVID-19 Pandemic

András Fittler ^{1,*} , Latifat Adeniye ¹, Zoltán Katz ²  and Richárd Bella ¹ 

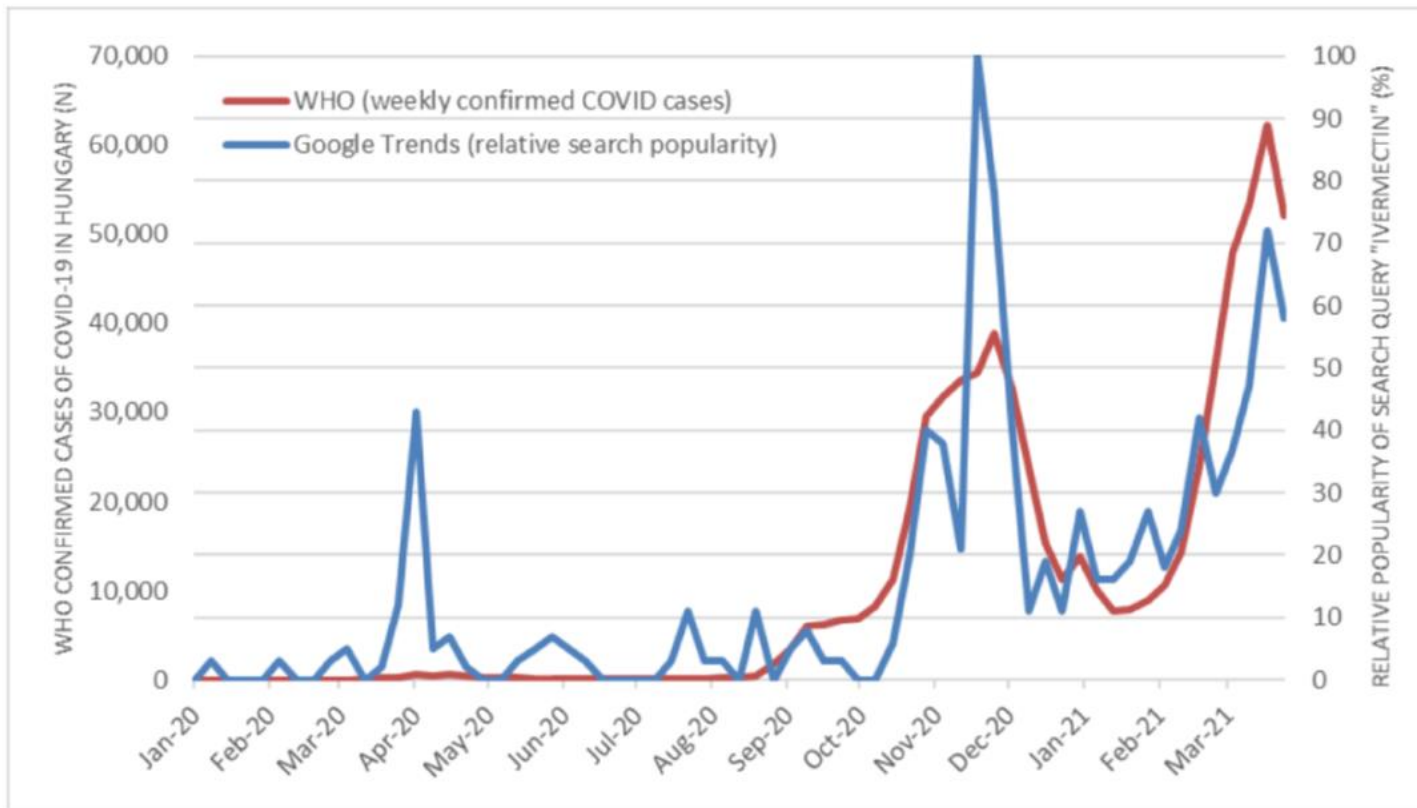





Figure 1. Trend analysis of infoveillance metrics.

Effect of Infodemic Regarding the Illegal Sale of Medications on the Internet: Evaluation of Demand and Online Availability of Ivermectin during the COVID-19 Pandemic

András Fittler ^{1,*} , Latifat Adeniye ¹, Zoltán Katz ²  and Richárd Bella ¹ 

- Users' Google queries regarding ivermectin were trending and peaked during the last week of November 2020 and March 2021. *Consumers more likely found links leading directly or indirectly (via redirection) **to illegal online retailers representing nearly half (53.3%) of search engine result links regarding the first three result pages in December 2020 and topped off at 73.3% by March 2021.***
- Illicit medicine retailers outnumbered and outranked their legitimate counterparts and dominated the first search engine results page. A vast majority (77.7%) of the identified online pharmacies were characteristically rogue; **more than half (55.5%) offered prescription-only products without a valid medical prescription.**
- **Our results illustrate connection between infodemic and its consequences on the illicit online pharmacy market.**

Ιβερμεκτίνη – Εκρηξη περιστατικών δηλητηρίασης από φάρμακο που... θεραπεύει την Covid-19

Πολλοί Αμερικανοί κατάπιαν σκευάσματα που προορίζονται μόνο για κτηνιατρική χρήση.

οι ρεπουμπλικανοί γερουσιαστές Ραντ Πολ και Ρον Τζόνσον, επιμένουν να προωθούν το φάρμακο ως θεραπεία



FDA <https://www.fda.gov/consumers/consumer-updates>

30/0

Why You



U.S. FDA @US_FDA · 21 Aug

You are not a horse. You are not a cow. Seriously, y'all. Stop it.



Why You Should Not Use Ivermectin to Treat or Prevent COVID-19
Using the Drug ivermectin to treat COVID-19 can be dangerous and even lethal. The FDA has not approved the drug for that purpose.

[fda.gov](https://www.fda.gov)

Español (/consumers)

Português (/consumers)

中文 (/consumers)

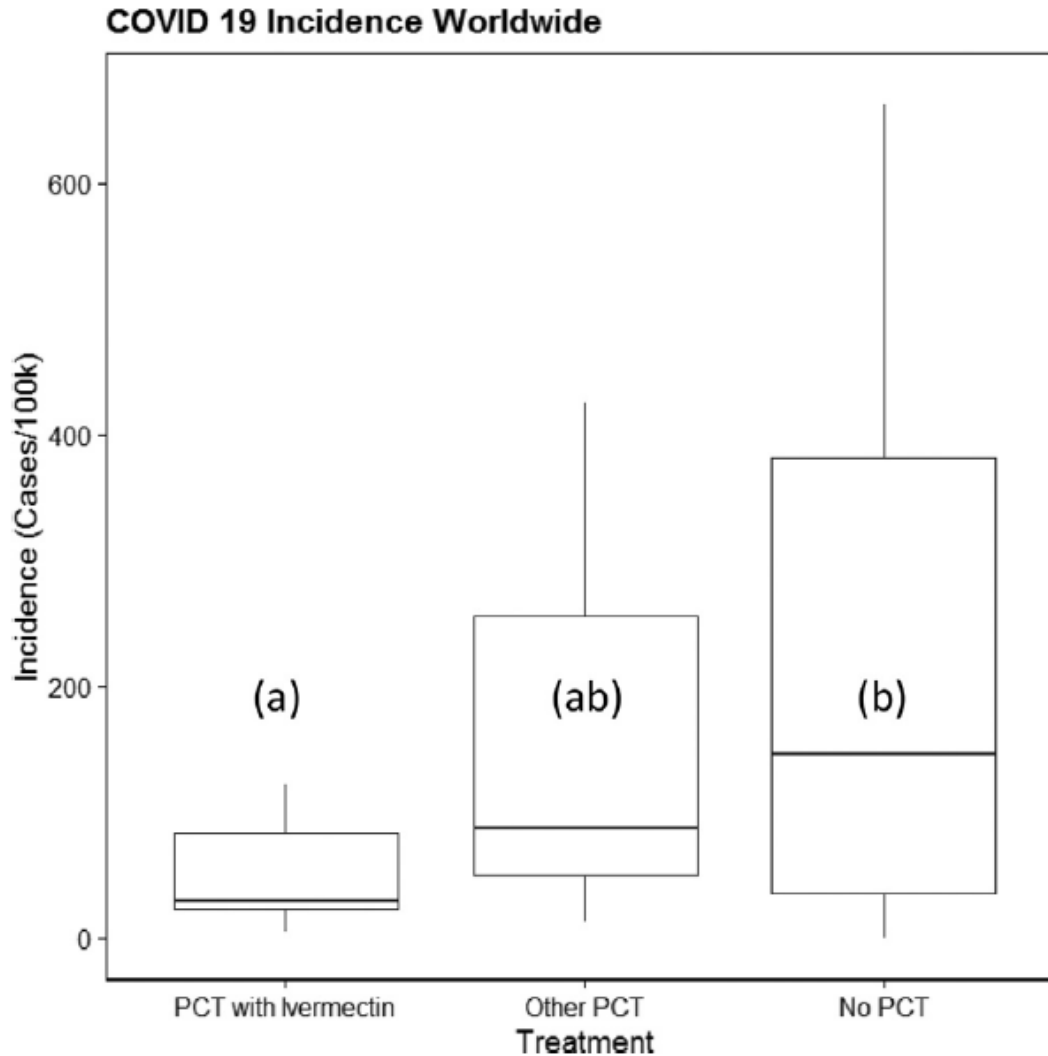
Tagalog (/consumers)

Tiếng Việt (/consumers)

한국어 (/consumers)

ΠΛΑΝΟ ΠΑΡΟΥΣΙΑΣΗΣ

- Αντιπαράθεση στα ελληνικά ΜΜΕ
- Επιστημονική αξιολόγηση δεδομένων (EBM)
- Αξιολόγηση ερευνητών και κινήτρων δημοσίευσης μελετών (False Science/peer review)
- Οι παρενέργειες των ΜΜΕ και οι επιπτώσεις τους διεθνώς (pan-demic + Info-demic)
- Οριοθέτηση της αβεβαιότητας και προσπάθεια περιορισμού της
- Βαθμός τεκμηρίωσης της γνώσης για τη λήψη αποφάσεων και όχι για αποκάλυψη της αλήθειας



Hellwig, M. D. Maia, A.
Int J Antimicrob Agents 2021

Fig. 1. Country-specific COVID-19 (coronavirus disease 2019) incidence in groups with different types of prophylactic chemotherapy (PCT) for parasitic infections. The letters (a,b) denote statistically significant groups ($P \leq 0.05$). Outliers above the 95th percentile were removed for visual clarification. Whiskers represent 10th and 90th percentiles.

A qualitative analysis of seven ivermectin formulations in South Africa

Q E Bhorat, MB BCh, MSc; A E Bhorat, MB BCh, MCFP (SA), FRACGP

SAMJ April 2021, Vol. 111, No. 4

Table 3. Qualitative analysis results of all seven samples

Sample	Ivermectin detected	Other compounds detected
A	Ivermectin (B1a, B1b)	Paracetamol (acetaminophen), dicyclomine
B	Ivermectin (B1a, B1b)	Telmisartan
C	Ivermectin (B1a, B1b)	Paracetamol (acetaminophen), diclofenac, hydroxyzine, mel
D	Ivermectin (B1a, B1b)	Paracetamol (acetaminophen), clopidogrel, etizolam
E	Ivermectin (B1a, B1b)	None
F	Ivermectin (B1a, B1b)	None
G	Ivermectin (B1a, B1b)	None

+++

} caps

+++ =mebeverine, nortryptiline, ornidazole, pregabalin

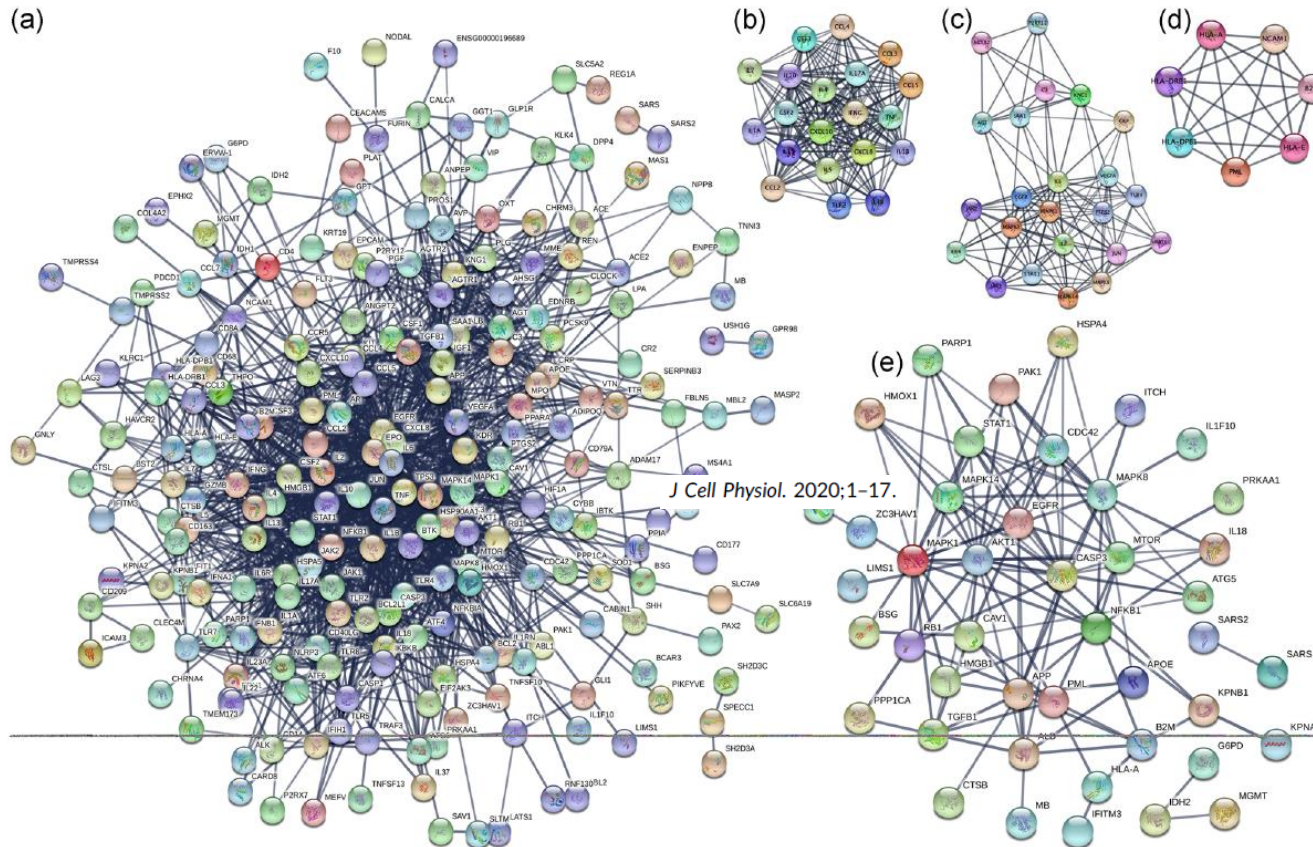


FIGURE 1 Construction of the PPI network. (a) Construction of the PPI network of 284 SARS-CoV-2-related genes with a co-expression score more than 0.7. (b-d) MCODE analysis of the entire PPI network identified three modules (module 1 score = 18, module 2 score = 11, and module 3 score = 7). (e) Construction of the PPI network of 52 ivermectin-regulated SARS-CoV-2-related proteins with co-expression score more than 0.7. PPI, protein-protein interaction; SARS-CoV-2, severe acute respiratory syndrome coronavirus 2

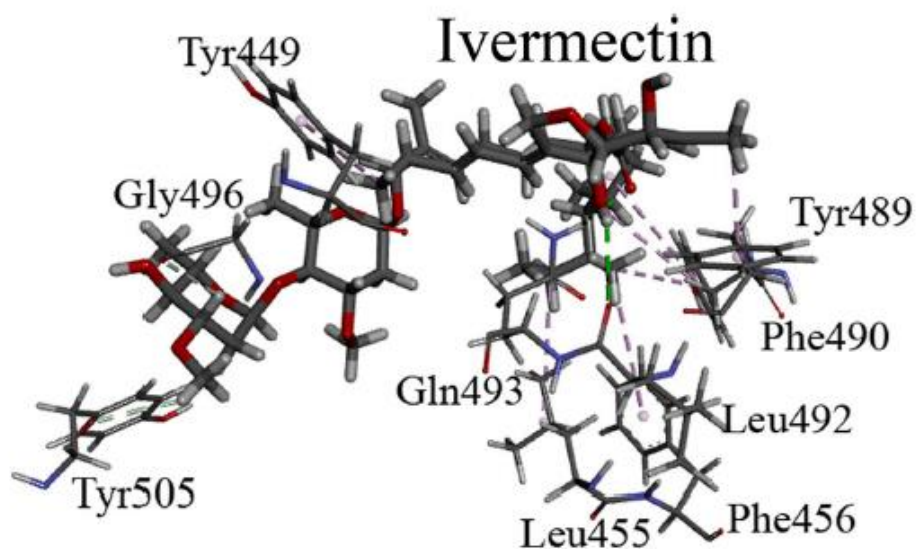
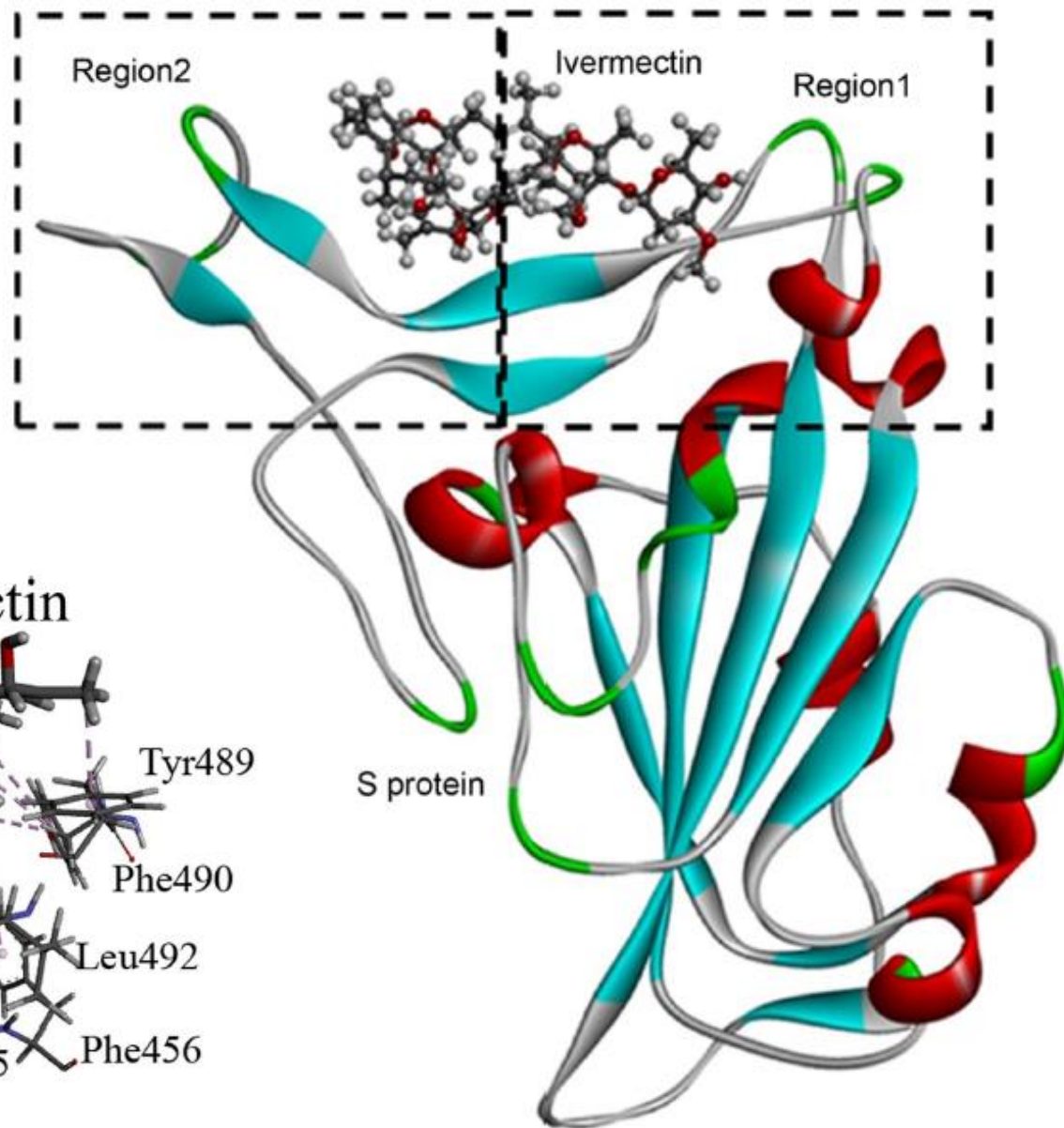
(e) Construction of the PPI network of 52 ivermectin-regulated SARS-CoV-2-related proteins

The binding mechanism of ivermectin and levosalbutamol with spike protein of SARS-CoV-2

Joyanta Kumar Saha¹  · Md. Jahir Raihan

Structural Chemistry

<https://doi.org/10.1007/s11224-021-01776->





WHO advises that ivermectin only be used to treat COVID-19 within clinical trials

31 March 2021



EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

EMA advises against use of ivermectin
for the prevention or treatment of
COVID-19 outside randomised clinical
trials

Ivermectin

Drug Info ▾

Last Updated: February 11, 2021

Recommendation

There are insufficient data for the COVID-19 Treatment Guidelines Panel (the Panel) to recommend either for or against the use of ivermectin for the treatment of COVID-19.

Results from adequately powered, well-designed, and well-conducted clinical trials are needed to provide more specific, evidence-based guidance on the role of ivermectin in the treatment of COVID-19.

the prevention and treatment of COVID-19. Data from some of these studies can be found in [Table 2c](#).



Recommendation

- There are insufficient data for the COVID-19 Treatment Guidelines Panel (the Panel) to recommend either for or against the use of ivermectin for the treatment of COVID-19. Results from adequately powered, well-designed, and well-conducted clinical trials are needed to provide more specific, evidence-based guidance on the role of ivermectin in the treatment of COVID-19.

Cochrane Database of Systematic Reviews | [Review - Intervention](#)

Ivermectin for preventing and treating COVID-19

Maria Popp, Miriam Stegemann, Maria-Inti Metzendorf, Susan Gould, Peter Kranke, Patrick Meybohm, Nicole Skoetz,  [Stephanie Weibel](#) Authors' declarations of interest

 Version published: 28 July 2021  [Version history](#)

<https://doi.org/10.1002/14651858.CD015017.pub2>

Authors' conclusions

Based on the current very low- to low-certainty evidence, we are uncertain about the efficacy and safety of ivermectin used to treat or prevent COVID-19.

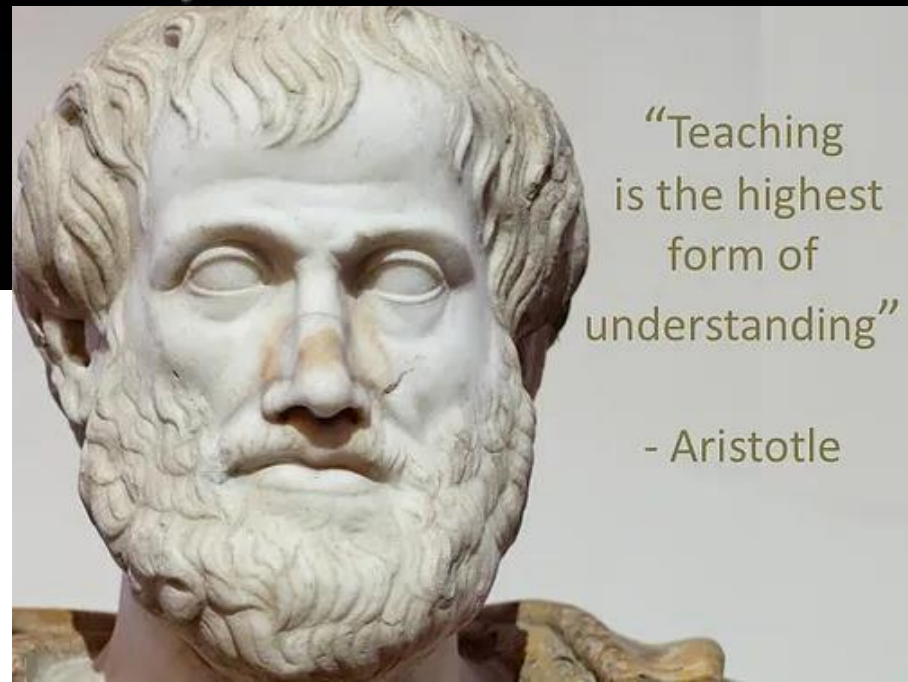
The completed studies are small and few are considered high quality. Several studies are underway that may produce clearer answers in review updates.

Overall, the reliable evidence available does not support the use ivermectin for treatment or prevention of COVID-19 outside of well-designed randomized trials.

ΓΕΝΙΚΑ ΣΥΜΠΕΡΑΣΜΑΤΑ

- Θέλουμε γιατρούς με εξελεγμένο μυαλό (ΑΡΙΣΤΟΤΕΛΗΣ)
- Τα αποτελέσματα ιατρικών μελετών δεν είναι ειδήσεις για τα ΜΜΕ (ότι και αν σημαίνει το «Ε»)
- Αξιολόγηση των μελετών με βάση τις αρχές της EBM και προσεγμένα συμπεράσματα (όχι marketing ερευνητών)
- Ακριβολογία στις διατυπώσεις και έμφαση στη σημασία κάποιων «κλισέ» (π.χ. δεν έχει έγκριση FDA)
- **Inform consent** σε κλινικές δοκιμές (μελέτες) αλλά και στην κλινική πράξη με βάση τον βαθμό τεκμηρίωσης
- **Info-demic και αναλφαβητισμός στα ΜΜΕ και την υγεία**

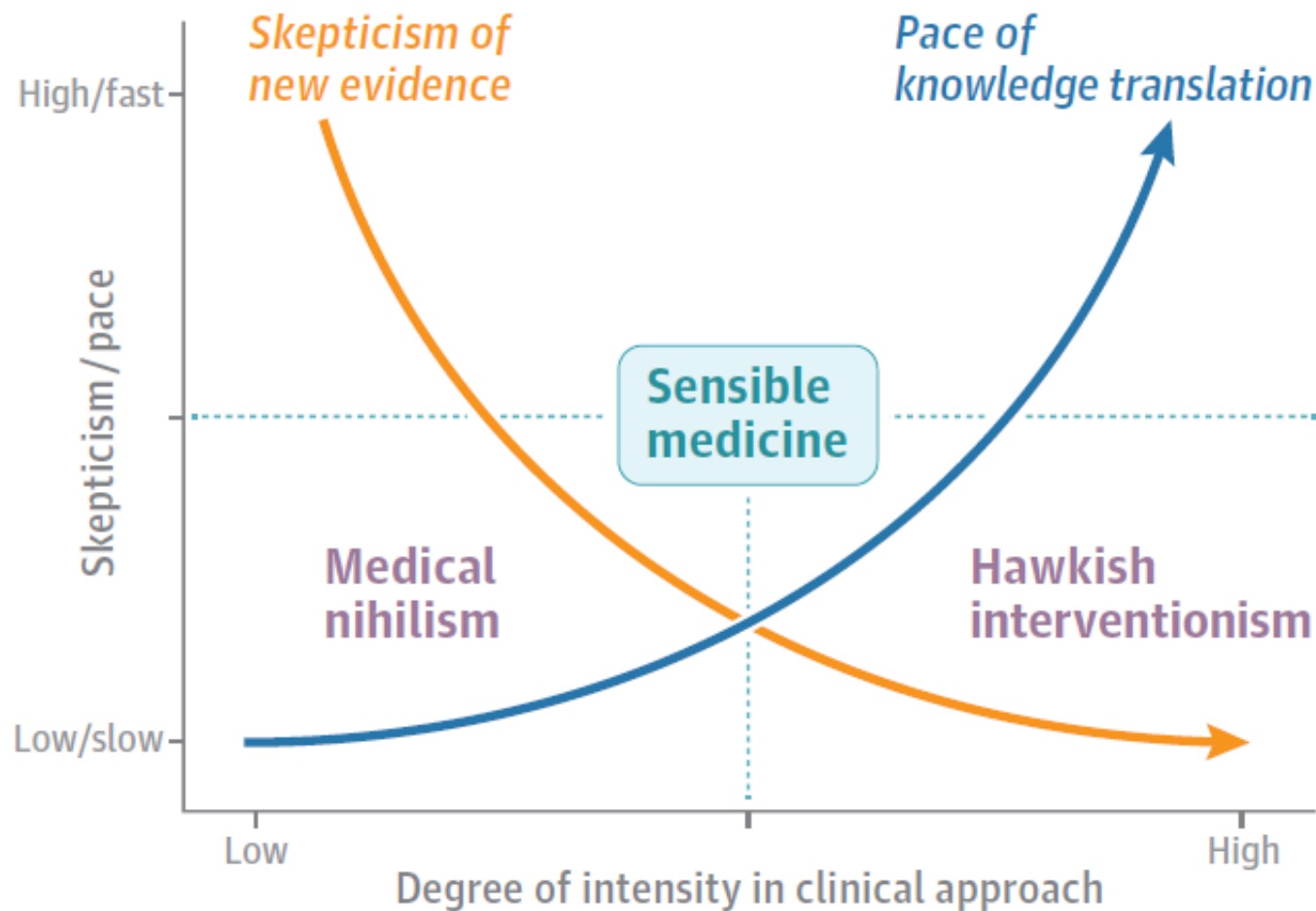
Πέρασε ο Φίλιππος για να δει τι διδάσκει ο Αριστοτέλης στον Μέγα Αλέξανδρο. Τον ρώτησε λοιπόν:
“Μαθηματικά τον διδάσκει;” – Όχι απάντησε ο Αριστοτέλης
“Γραφή;” – Όχι απάντησε ο Αριστοτέλης
“Τι τον διδάσκει λοιπόν;” είπε εκνευρισμένος ο Φίλιππος
–Τον διδάσκω πως να σκέπτεται απάντησε ο Αριστοτέλης!



Sensible Medicine—Balancing Intervention and Inaction During the COVID-19 Pandemic

Seymour et al, JAMA Oct 2020

Figure. Conceptual Model for Sensible Medicine



Doctor warns Ivermectin animal paste is dangerous for humans & doesn't help COVID-19



Ερευνα του BBC για την απάτη της ιβερμεκτίνης - Γεωργιάδης: «Θυμάμαι που είχα πυρετό και ο Πολάκης με καλούσε να την πάρω»



PRESS RELEASE | January 15, 2021

NIH Revises Treatment Guidelines for Ivermectin for the Treatment of COVID-19

Ivermectin is Now a Therapeutic Option for Doctors & Prescribers

NEW YORK, N.Y. — JANUARY 15, 2021

One week after Dr. Paul Marik and Dr. Pierre Kory—founding members of the **Front Line Covid-19 Critical Care Alliance** (FLCCC)— along with Dr. Andrew Hill, researcher and consultant to the World Health Organization (WHO), presented their data before the NIH Treatment Guidelines Panel, the NIH has upgraded their recommendation on ivermectin, making it an option for use in COVID-19.

This new designation upgraded the status of ivermectin from “against” to “neither for nor against”, which is the same recommendation given to monoclonal antibodies and convalescent plasma, both widely used across the nation.

FLCCC Alliance, Inc

6006 N Highlands Avenue
Madison, WI 53705-0000

☎ 513-486-4696
support@flccc.net

Employer ID number: 85-2270146
501(c)(3) nonprofit organization

Effect of Ivermectin on Time to Resolution of Symptoms Among Adults With Mild COVID-19

A Randomized Clinical Trial

JAMA. 2021;325(14):1426-1435. doi:10.1001/jama.2021.3071

Published online March 4, 2021.

Eduardo López-Medina, MD, MSc; Pío López, MD; Isabel C. Hurtado, MD; Diana M Dávalos, MD, MPH, DrPH; Oscar Ramirez, MD, MPhil; Ernesto Martínez, MD; Jesus A. Díazgranados, MD; José M. Oñate, MD; Hector Chavarriaga, MD, MS; Sócrates Herrera, MD; Beatriz Parra, PhD; Gerardo Libreros, PhD; Roberto Jaramillo, MD; Ana C. Avendaño, MD; Dilian F. Toro, MD; Miyerlandi Torres, DrPH; Maria C. Lesmes, MD; Carlos A. Rios, MD; Isabella Caicedo, MD

INTERVENTION Patients were randomized to receive ivermectin, 300 µg/kg of body weight per day for 5 days (n = 200) or placebo (n = 200).

CONCLUSION AND RELEVANCE Among adults with mild COVID-19, a 5-day course of ivermectin, compared with placebo, did not significantly improve the time to resolution of symptoms. The findings do not support the use of ivermectin for treatment of mild COVID-19, although larger trials may be needed to understand the effects of ivermectin on other clinically relevant outcomes.