

The Fight Against COVID 19: Science, Hand Sanitizers & Other Forms of Personal Care

Q&A Report:

"Question Asked"	Answer Given
This is scottich scientist and to her it looked like corona	<i>The outer area of the virus has the receptors that look like a corona under the microscope, hence the name of the virus</i>
Does hand sanitizer have to be tested?	<i>The FDA permitted formulation, the one posted online is a temperory approval without testing required. This formulation may not be altered. After the virus emergency is considered over the FDA will want test data for the anti microbial claims.</i>
Were there bats at the Chinese institue, where you said it was unlikely a source of of the viruses?	<i>There were likely bats at the institute, but the RNA signature was observed to be slightly different between the bat RNA and the human's infected with the virus. This led to the conclusion that the virus was transmitted via an intermediate host. Current theory hypothesis is via the Pangolin as the intermediate animal. The RNA sequence of the virus in humans was closer to the RNA of the virus in the Pangolin than the bat virus. Some virus experts believe if the virus spread directly to humans from the bat, people would have more of a cold type illness not as deadly as the COVID 19.</i>
Can you comment on the recent findings on blood clotting issues being observed?	<i>The most recent report seemed to connect the blood clots with people who had existing heart issues and other diseases associated with high levels of existing inflammation.</i>
When do you think this pandemic will end? How can we take precautions for the future?	<i>Global experience is suggesting a few months (2-3) if people follow social distancing. The virus will always be around, and at some point will likely behave as the flu does now. Development of an immununization will be very important and people with a predisposing illness will always be more susceptible to this virus. Most people will experience a bad cold if they get it in the future.</i>
How do you feel about some states planing to open up and people go back to work in May?	<i>I am uncomfortable about this. I understand the need to revive business, but risking lives and acquiring an illness that might leave people with long term heart issues and other health issues as they age concerns me.</i>
Are there any concerns around using 100% 2-propanol on the skin?	<i>I am not aware of serious tosicological issues even at 100 %, certainly not good for children to be exposed to 100%, dry skin and perhaps a disrupted skin barrier would result from 100% use</i>
Howard. What is the chance hat covid-19 will mutate like a cold virus and, therefore be able to adapt to vaccines?	<i>There is a theory it might do that. People will eventuallu acquire an immunity, and eventually a vaccine will be available.</i>

There's been talked about some blood types are more resistant than others. Do you know of any studies that substantiate that claim?	<i>I not not aware of enough data on this yet.</i>
Are there any materials that can be used to coat surfaces in gloves for example?	<i>I am not aware of any studies on this topic.</i>
on my previous question I referred to antiviral materials tah can be used to coat surfaces	<i>I don't know (have not seen any data) on the kill time for the virus</i>
When is the NYSCC going to get an award from the national office for best, and remarkably well over the past year, effort at providing membership educational opportunity (now not just the NYSCC, but all SCC members. THE NYSCC rocks!	<i>I agree with your comments. The NY chapter is fortunate to have some very skilled and talented members and the leadership has consistenly done a great job to develop very good programs quite quickly.</i>
cna we download this powerpoint?	<i>please request from me directly (Howard.epstein@emdgroup.com)</i>
Can you highlight any major trends/impacts on personal care emerging from the outbreak?	<i>This is an interesting question and I expect more focus on cleansing of hands and hair and skin treatments. Perhaps we will see increased interest in immunity boosting products.</i>
What was that slide about the FDA and 94.9% ethanol use?	<i>I did not have a slide with 94.9% ethanol, my slide had 80% ethanol (vol/vol) in the FDA formulation. Another slide mentioned that the approved temporary formulation hand sanitizer must have at least 60% alcohol in the bottle.</i>
How do we access the recording?	
How did the virus get the name CORONA?	<i>The receptor outside of the virus looks like a corona under the microscope</i>
How long did the 1918 flu last	
What are the disinfectants adn their concentrations for a disinfection claim?	<i>Please review the FDA publication and check out the EPA website as well.</i>
If the ACE receptor is needed for infection, what happens to patients taking aCE inhibitors for blood pressure? Is the virus more infectious or less--please explain? Also what is the relationship between the ACE receptor and the ACE enzyme and the use of the inhibitors for BP?	<i>This concern is currently being evaluated. Patients taking ACE blockers may be at a higher risk for a more more severe outcome.</i>

Would it be expected to reduce infectivity if you block the ACE receptor with the BP meds? why do we see the opposite?	<i>This is being evaluated, some patients may be at greater risk, however as more research is carried out, this may be a treatment or a preventative. It is too soon to know.</i>
Which website can you provide for us to do a disinfectant as per the FDA guidelines?	<i>See FDA 84 FR 14847 and 21 CFR 310 for further informaton. Check with the EPA as well, I do not have the Federal Register number available for the EPA</i>
What about the theory this may have evolved from a Wuhan Lab & escaped?	<i>There were likely bats at the institute, but the RNA signature was observed to be slightly different between the bat RNA and the human's infected with the virus. This led to the conclusion that the virus was transmitted via an intermediate host. Current theory hypothesis is via the Pangolin as the intermediate animal. The RNA sequence of the virus in humans was closer to the RNA of the virus in the Pangolin than the bat virus. Some virus experts believe if the virus spread directly to humans from the bat, people would have more of a cold type illness not as deadly as the COVID 19. Many experts do not believe the virus was a direct result of it being released from the lab-even as an accident.</i>
which one is more efficacious on covid-19? ethanol vs IPA?	<i>I have not seen any data that shows one alcohol more effective than the other.</i>
For a spray product, do you see what would be the advantage/disadvantage of a traditional pump spray vs aerosol spray?	<i>the key is to ensure adequate and a consistent level of spray. Beyond that cost of components and ease of use.</i>
Is bleach efficacious against covid virus	<i>Bleach would be effective, but the key is how and where these ingredients are to be used.</i>
Was it stated that essential oils cannot be used in the FDA temporary formula, and that it must be tested?	<i>yes, only the ingredients listed in the FDA guidance document. Essential oils are not on the list, a reason is the possibility it would cover the taste of alcohol and a child might drink it. Also not known if another ingredient would reduce the efficacy of the alcohol.</i>
How can one properly clean their mask?	<i>The best one can do is to washwith detergent and dry at sufficient heat</i>
What is a suitable filter for homemade masks?	<i>Concern is the particle size of the virus. I don't think we can do much with a homemade mask. I use a cloth and a coffee filter, wash the coth with the mask and dispose of the coffee filter. But it does not replace a medical grade filter.</i>
Most hand sanitizers are 62% but, the CDC suggests 70%. Is 62% not effective?	<i>The gidance FDA document says at least 60% alcohol to be effective</i>
How much IPA works?	<i>At least 60% alcohol</i>
This is amazing information. Thank you.	

<p>Few questions if you are taking them. 1. It appears that perhaps customized drugs are beneficial based on one's on DNA? Did I hear that correctly?</p>	<p><i>Essentially yes, more specifically related to Single Nucleotide Polymorphisms (SNP) of the DNA. Our DNA is 99.9% similar, the .1% variation that is studies as SNP's may show differences that would guide as to the best treatment and maybe preventative for the virus.</i></p>
<p>Also, Holy Name Medical Center in Teaneck, NJ is an epi-center in Bergen County. They are testing placenta therapy. Any comments on this?</p>	<p><i>I have not seen any data to have a comment at this point in time</i></p>