

Tuncer G, Güçlü KG. How Reliable is ChatGPT as a Novel Consultant in Infectious Diseases and Clinical Microbiology?. Infect Dis Clin Microbiol. 2024;1.

Supplementary Table: Social media and guideline questions.

SOCIAL MEDIA QUESTIONS		Specialist 1	Specialist 2	Specialist 3
1	If 120 days have passed since a suspected HIV exposure; is there still a chance that my test could come back positive?	1	1	
2	How long does HIV remain viable outside the body?	1	1	
3	Is there still a possibility of my HIV test being positive 28 days after a suspected HIV exposure?	2	2	
4	Is it possible to transmit HIV through oral sex?	1	1	
5	My HIV test resulted positive; what should I do?	1	1	
6	Can I kiss and hug my grandchildren if I am HIV positive?	1	1	
7	Could leech and cupping therapy cause an infection in my leg?	1	1	
8	Is it possible to completely eliminate COVID-19 vaccines from the body?	3	1	1
9	Is it possible for the effects of COVID-19 vaccines to completely wear off?	1	1	
10	What causes recurrent urinary tract infections?	1	1	
11	What are the symptoms of a urinary tract infection?	1	1	
12	What is the duration of treatment for a urinary tract infection?	2	2	
13	Can a urinary tract infection be transmitted to family members?	1	1	
14	Is drinking plenty of water good for urinary tract infections?	1	1	
15	Does neurogenic bladder cause urinary tract infections?	1	1	
16	Is the Omicron variant less deadly than previous variants?	3	1	1
17	What is the duration of protection provided by COVID-19 vaccines?	1	1	
18	Can COVID-19 mRNA vaccines be given to pregnant women?	2	1	2
19	Can COVID-19 mRNA vaccines be given to children?	1	1	
20	Is there a vaccine for HIV?	1	1	
21	Can an HIV-positive individual have children?	2	2	
22	I am HIV positive; can my spouse have children who are HIV negative?	2	1	2
23	My HIV RNA has been tested negative for years; can I transmit the disease to my spouse?	1	1	
24	I am a chronic hepatitis B carrier; is it possible to recover from the disease?	1	1	
25	Is there an herbal remedy for Hepatitis B infection?	1	1	
26	Can hepatitis B infection be transmitted to family members?	1	1	
27	I am pregnant and have a hepatitis B infection, can my child also get a hepatitis B infection?	1	1	
28	Can I get re-infected with hepatitis C infection?	1	1	
29	I am an adult; is there any harm in getting a hepatitis A vaccine?	1	1	

30	Is there a vaccine for hepatitis C infection?	1	1	
31	Are hepatitis infections genetically transmitted?	1	1	
32	I am living with HIV; does my HIV positivity affect my life expectancy?	1	1	
33	Should I take aspirin as a preventive measure after recovering from COVID-19?	1	1	
34	I had COVID-19 three weeks ago, and I still have a cough; is that normal?	1	1	
35	Is HIV completely curable?	1	1	
36	I had a vein taken from my leg for bypass surgery; can I develop an infection in my leg?	1	1	
37	Can I get hepatitis A and hepatitis B vaccines at the same time?	1	1	
38	Can a person have both hepatitis B and hepatitis C infections?	1	1	
39	I received hepatitis C treatment, but my Anti-HCV test is still positive; is that normal?	3	2	2
40	I have found out I am having hepatitis C infection during pregnancy; can I receive hepatitis C treatment during pregnancy?	1	1	
41	I am an HIV-positive individual, and I have been diagnosed with diabetes; can HIV positivity trigger diabetes?	1	1	
42	I have COPD; should I get a flu shot?	1	1	
43	I had unprotected sexual contact with an untreated HIV-positive individual; what should I do?	1	1	
44	Is there a preventive medication for recurrent cellulitis?	4	4	
45	Is urinary tract infection more common in women?	1	1	
46	Does having a urinary tract infection during pregnancy harm my child?	1	1	
47	Does toenail fungus increase the risk of cellulitis?	2	1	1
48	I am a carrier of Hepatitis B, and my spouse doesn't have Hepatitis B; what should we do?	1	1	
49	I have received the hepatitis B vaccine, but it didn't work; should I get vaccinated again?	1	1	
50	I am an individual living with HIV; which vaccines should I receive?	2	1	1
51	What does "undetectable=untransmittable" mean?	1	1	
52	What are the transmission routes of hepatitis B?	1	1	
53	Can hepatitis C be transmitted sexually?	1	1	
54	Can cellulitis on one leg spread to the other leg?	1	1	
55	Is cranberry beneficial in the treatment of urinary tract infections?	1	1	
56	Does diabetes mellitus make me more prone to urinary tract infections?	1	1	
57	Can nausea, vomiting, and diarrhea be symptoms of COVID-19?	1	1	
58	Is the Delta variant more contagious than Omicron?	4	2	2
59	Are HIV patients more susceptible to cancer?	1	1	
60	Can I share a restroom with someone who is HIV-positive?	1	1	
61	Is HIV disease treatable with a bone marrow transplant?	1	1	
62	How does pneumonia spread from person to person?	1	1	

63	Does pneumonia leave permanent damage in the lungs?	1	1	
64	Does the pneumonia vaccine protect against COVID-19?	1	1	
65	Is there a vaccine to prevent pneumonia?	1	1	
66	Can pneumonia recur in someone who has previously recovered from it?	1	1	
67	Does the pneumonia vaccine provide lifelong protection?	1	1	
68	When does radiological improvement occur in pneumonia?	1	1	
69	What are the side effects of the pneumonia vaccine?	1	1	
70	Who should be recommended for pneumococcal vaccination?	1	1	
71	Can influenza and pneumonia vaccines be given simultaneously?	1	1	
72	Can I get pregnant if I'm HIV positive?	2	1	1
73	Can I have a normal childbirth if I'm HIV positive?	1	1	
74	Can I breastfeed my baby if I'm HIV positive?	1	1	
75	Can an HIV-positive nurse work?	1	1	
76	How is tuberculosis transmitted?	1	1	
77	Does the tuberculosis vaccine cause tuberculosis?	4	3	4
78	Does the BCG vaccine protect against pulmonary tuberculosis?	1	1	
79	Is cutaneous tuberculosis transmitted through contact?	1	1	
80	Can I live in the same house as someone undergoing tuberculosis treatment?	1	1	
81	Can a person undergoing tuberculosis treatment breastfeed?	1	1	
82	Can a pregnant patient take tuberculosis medications?	1	1	
83	Which forms of tuberculosis are contagious?	1	3	1
84	If someone previously received preventive tuberculosis treatment and has another description of risky exposure, do they need preventive treatment again?	1	1	
85	How long is the duration of preventive treatment for tuberculosis?	1	1	
86	I have pulmonary tuberculosis; when does my contagiousness end?	2	2	
87	Can treated tuberculosis patients become infected again?	1	1	
88	Who should undergo tuberculosis screening?	1	1	
89	How long does the protection from the BCG vaccine last?	1	1	
90	Who should not receive the BCG vaccine? Is there any harm in administering the BCG vaccine alongside other vaccines?	1	1	
91	Can my PPD test result in a false positive?	1	1	
92	Does a positive PPD test indicate that I am sick?	1	1	
93	Can the COVID-19 vaccine cause a heart attack or stroke?	1	1	
GUIDELINE QUESTIONS				
1	How many days is the treatment for neurosyphilis, and with which antibiotic?	3	3	

2	In late latent syphilis, how many doses of treatment are recommended?	2	2	
3	What is the initial treatment option for an HIV-positive patient with salmonellosis?	3	3	
4	What is the first-choice antibiotic for an HIV-positive individual with Shigella infection?	1	1	
5	What is the first-choice medication for the treatment of latent tuberculosis in an HIV-positive person?	1	1	
6	Can antiretroviral therapy and tuberculosis medications be used together in HIV patients?	1	1	
7	In individuals with HIV and TB meningitis, how long after starting anti-tuberculosis treatment should antiretroviral treatment begin?	2	2	
8	Does isoniazid, used in tuberculosis treatment, affect the dose of efavirenz?	2	2	
9	Does rifampicin treatment affect the dose of dolutegravir?	1	1	
10	Can an elvitegravir/cobicistat-containing regimen be used together with anti-tuberculosis treatment in HIV infection?	3	1	1
11	What should be done if hepatotoxicity develops during tuberculosis treatment in an HIV-positive individual?	1	1	
12	What is the preferred agent for PJP (<i>Pneumocystis jirovecii</i> pneumonia) prophylaxis in HIV-positive individuals with AIDS?	1	1	
13	When can PJP (<i>Pneumocystis jirovecii</i> pneumonia) prophylaxis be discontinued in an HIV-positive patient?	2	2	
14	What are the risk factors for skin and soft tissue infections?	1	1	
15	What are the most common causative agents of impetigo?	1	1	
16	What are the possible causative agents of skin and soft tissue infections that develop after a human bite?	1	2	1
17	What signs and symptoms suggest a skin and soft tissue infection?	1	1	
18	What are uncomplicated simple skin and soft tissue infections?	1	1	
19	What are complicated simple skin and soft tissue infections?	1	1	
20	In which age group of children is impetigo more common?	1	1	
21	How many days should mupirocin be used for impetigo treatment?	1	1	
22	What is a skin abscess?	2	2	
23	What imaging techniques are used in the diagnosis of a skin abscess?	1	2	1
24	What is the primary treatment for a skin abscess?	1	1	
25	What is the most common causative agent of a furuncle?	1	1	
26	What is the most common causative agent of cutaneous leishmaniasis in Türkiye?	1	1	
27	What is the difference between cellulitis and erysipelas?	1	2	1
28	What are the criteria for hospitalization in a patient with cellulitis?	1	1	
29	How much is the rate of community-acquired MRSA in our country?	3	3	
30	In a patient who develops a blister, vesicle, or ulcer after contact with seawater or raw seafood, which pathogen should be considered?	1	1	

31	Prophylaxis with benzathine penicillin G can be administered to patients who experience cellulitis at least how many times a year?	3	1	1
32	What are the clinical stages of necrotizing fasciitis?	2	3	2
33	What variables are included in the LRINEC (Laboratory Risk Indicator for Necrotizing Fasciitis) scoring system?	1	1	
34	What are the main risk factors for impetigo?	1	1	
35	What are the differences between furuncle and folliculitis?	1	1	
36	What is the recommended treatment regimen for serious skin and soft tissue infections caused by <i>Vibrio vulnificus</i> ?	1	1	
37	In the presence of which symptoms should a patient be evaluated for necrotizing fasciitis?	1	1	
38	How is the definitive diagnosis of necrotizing fasciitis made?	3	2	2
39	What is the name of the scoring system used to distinguish necrotizing fasciitis from other soft tissue infections?	1	1	
40	Which antibiotics should be initiated in the empirical treatment of necrotizing fasciitis?	1	1	
41	What is the most common causative agent of trauma-related gas gangrene?	1	1	
42	In malignancy and neutropenic patients, what is the causative agent of spontaneous gas gangrene through hematogenous spread from colonic flora?	1	1	
43	What is the difference between anaerobic streptococcal myositis and gas gangrene?	3	3	
44	What antibiotics are used in the treatment of tularemia, and for how long?	1	1	
45	What are the recommended monotherapy regimens for chronic hepatitis B?	1	1	
46	What are the treatment regimens not recommended for chronic hepatitis B?	1	1	
47	What regimens are recommended for patients with chronic hepatitis B who have kidney or bone disease?	1	2	2
48	When can antivirals be discontinued in chronic hepatitis B?	2	2	
49	What regimen is recommended for patients co-infected with HIV and chronic hepatitis B?	1	1	
50	Who is given treatment for acute hepatitis B?	3	2	2
51	When should antiviral prophylaxis be initiated, and how long should it be continued for pregnant individuals with chronic hepatitis B?	2	2	
52	Can a chronic hepatitis B patient taking TDF (Tenofovir Disoproxil Fumarate) breastfeed their baby?	1	1	
53	Which antivirals are recommended for chronic hepatitis B patients on dialysis or with kidney transplantation?	1	1	
54	Who should be screened for hepatitis C?	1	1	
55	How is hepatitis C transmitted?	1	1	
56	How should individuals with risky exposure to Hepatitis C be monitored?	1	2	1
57	What tests are recommended for someone known to be HCV antibody positive after a risky exposure?	1	1	
58	Should genotype testing be requested from everyone starting hepatitis C treatment?	1	1	
59	What is the goal of hepatitis C treatment?	1	1	

60	Who should start treatment for Hepatitis C, and when should it be initiated?	2	2	
61	What are the expected extrahepatic manifestations of chronic Hepatitis C?	2	2	
62	When should direct-acting antiviral (DAA) treatment for Hepatitis C be discontinued?	2	2	
63	What is sustained virological response (SVR) in Chronic Hepatitis C (CHC)?	1	1	
64	Is antiviral prophylaxis recommended for HCV infection before or after exposure?	4	4	
65	Is breastfeeding contraindicated for an HCV-infected mother?	1	1	
66	Is there a hepatitis B vaccine?	1	1	
67	How is hepatitis B transmitted?	1	1	
68	Who are the at-risk groups for hepatitis B?	1	1	
69	What are the serological markers used in HBV infection?	1	1	
70	How long after exposure to acute HBV is HBsAg detected in the serum?	1	1	
71	How is chronic hepatitis B defined?	1	1	
72	What is the most sensitive non-invasive radiological test for evaluating liver fibrosis?	1	1	
73	What can be done to prevent HBV transmission from a pregnant woman with chronic HBV infection to her baby?	1	1	
74	When should a pregnant patient with CHB be evaluated for antivirals?	1	1	
75	In pregnancy, when are hepatic flares most commonly observed?	1	1	
76	Can a mother with chronic hepatitis B breastfeed her baby?	1	1	
77	What agents can be used for chronic hepatitis B treatment during pregnancy?	1	1	
78	What is the definition of a true cure for chronic hepatitis B?	4	4	
79	Which antivirals are used for chronic hepatitis B prophylaxis?	1	1	
80	What is primary antiviral resistance in chronic hepatitis B?	2	2	
81	What is secondary antiviral resistance in chronic hepatitis B?	2	2	
82	Who should be screened for asymptomatic bacteriuria?	2	4	2
83	Should asymptomatic bacteriuria be treated in non-pregnant healthy women?	1	1	
84	How long should treatment be given to pregnant women with asymptomatic bacteriuria?	1	1	
85	Should screening for asymptomatic bacteriuria be done in patients with diabetes?	1	1	
86	Should asymptomatic bacteriuria be treated in kidney transplant recipients?	2	1	2
87	Should asymptomatic bacteriuria be treated in neutropenic patients?	3	3	
88	In which surgical procedures is screening for asymptomatic bacteriuria recommended?	1	1	
89	In which urological procedures is screening for asymptomatic bacteriuria recommended?	1	1	
90	When and for how long is antibiotic therapy initiated in patients with asymptomatic bacteriuria who will undergo urological procedures?	1	3	1
91	How long is nitrofurantoin recommended for uncomplicated acute cystitis?	1	1	

92	In COVID-19 patients, which patient groups and when should molnupiravir be administered?	2	1	2
93	What diseases are defined as AIDS-defining illnesses in HIV infection according to the CDC classification?	1	1	
94	What are the signs and symptoms seen in acute HIV infection?	1	1	
95	What are the AIDS-defining neoplasms in HIV-infected patients?	1	1	
96	How is virological failure defined in an HIV-infected patient receiving ART?	2	2	
97	What criteria make up the CURB-65 scoring system?	1	1	
98	What are the typical and atypical radiological findings in pneumonia?	1	1	
99	In patients diagnosed with community-acquired pneumonia, which scoring systems are used in conjunction with clinical evaluation to determine hospitalization indications and prognosis?	1	1	
100	In patients with severe community-acquired pneumonia and hypoxemia, which initial treatment is recommended, standard oxygen therapy or High-Flow Nasal Oxygen (HFNO) therapy?	2	2	
101	Is pregnancy an indication for hospitalization in patients diagnosed with pneumonia?	3	3	
102	In a patient diagnosed with pneumonia, if there is no improvement in fever and/or other symptoms after how many hours of antibiotic treatment, should treatment resistance be considered?	1	1	
103	In patients diagnosed with community-acquired pneumonia, in which situations is sputum culture recommended?	2	2	
104	In patients diagnosed with community-acquired pneumonia who are hospitalized for monitoring, in which cases should blood cultures be obtained before treatment?	3	3	
105	Which patients are at high risk for influenza complications?	1	1	
106	Is routine corticosteroid treatment given in severe influenza pneumonia?	3	3	
107	In patients hospitalized for community-acquired pneumonia and suspected aspiration, is it necessary to cover anaerobic agents in addition to standard empirical treatment for community-acquired pneumonia?	1	4	1