Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID-19. The COVID-19 resource centre is hosted on Elsevier Connect, the company's public news and information website.

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cancelled but the emergency ones were performed taking all the required protective measures per protocol.

As of April 17, 2020 none of our patients with IBD reported alarming respiratory symptoms or developed COVID-19 infection.

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Conflicts of interest
The authors disclose no conflicts.

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COVID-19: An Overview of Worldwide Recommendations for Management of Patients With Liver Diseases or Liver Transplantation

Dear Editor:

We read with great interest the recent article published in Clinical Gastroenterology and Hepatology by Donato et al1 reporting the results of a survey administered to a large sample of transplanted patients during the coronavirus 2019 disease (COVID-19) outbreak. The authors used telemedicine for providing measures to prevent the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection and to follow the development of COVID-19 symptoms in transplant recipients in Italy. We provide an overview of the recommendations provided by national and international gastroenterology/hepatology societies for the management of patients with chronic liver diseases or liver transplantation during the COVID-19 pandemic.

We searched websites of 125 national and international societies of gastroenterology/hepatology from 7 international associations and 83 countries to extract data on the recommendations for management of patients with chronic liver disease, autoimmune hepatitis (AIH), hepatocellular carcinoma (HCC), or liver transplantation during the COVID-19 pandemic (Supplementary Methods). The final sample included recommendations for patients with chronic liver disease from 20 national or international societies, 7 specifically concerning patients with AIH, 7 for those with HCC, and 9 on liver transplantation (Supplementary Figure 1 and Supplementary Tables 1-3). Six societies stated that recommendations from other societies should be followed. Therefore, we analyzed the recommendations from 14 societies (Table 1). Briefly, all societies recommended the use of telemedicine (100%), and 12 societies (86%) recommended temporarily postponing nonurgent appointments. Questionnaire of symptoms (29%) and/or patient's body temperature measurement (29%), limiting the number of consultations per day, and restricting number of family and/or companions (57%) were recommended in case of face-to-face consultation. Few societies recommended checking influenza/Streptococcus pneumoniae vaccination (29%), delaying HCC surveillance (29%), and/or postponing all elective/nonurgent liver biopsy or elastography (29%). A majority of the societies recommended temporarily postponing all elective/nonurgent endoscopy examinations (86%) and to continue immunosuppressive therapy (93%). On the other hand, few societies recommended testing for SARS-CoV-2 in patients with hepatic decompensation.

Concerning patients with AIH, HCC, or liver transplantation, telemedicine was recommended extensively for patients with AIH or liver transplantation (86%), but in lower rates for patients with HCC (57%) (Supplementary Table 1). The maintenance of the same dosage of immunosuppressive agents was highly recommended for patients with AIH (86%) or liver transplantation (100%). The majority of societies (67%) recommended performing SARS-CoV-2 testing for liver transplantation recipients and donors. All 7 societies with recommendations for patients with HCC recommended continuation of HCC therapy, and 4 (57%) of them recommended continuing to perform regular examinations during the pandemic. Most societies recommended performing liver transplantation only for life-threatening situations, such as HCC or acute liver failure.

The impact of COVID-19 in patients with liver diseases or liver transplantation remains unclear. Preliminary results of combined data from registries that have been collecting outcomes of suspected/confirmed COVID-19 in patients with liver diseases...
Table 1. Recommendations for the Management of Patients With Chronic Liver Disease During the COVID-19 Pandemic From International/National Societies of Gastroenterology or Hepatology Updated on April 10, 2020

| Society name                                      | Date           | Screening of symptoms | Check patients’ body temperature | Postpone elective consultation | Limit number of patients/family in consultation | Use of telemedicine | Prescription for next month | Vaccination for influenza/S pneumoniae | Continue immunosuppressive therapy | Delay HCC/varices screening | Postpone elective GIE | Postpone elective liver biopsy/TE |
|---------------------------------------------------|----------------|-----------------------|----------------------------------|--------------------------------|-----------------------------------------------|---------------------|-----------------------------|-------------------------------------|-----------------------------------|---------------------------|----------------|-------------------------------|
| International                                     |                |                       |                                  |                                |                                               |                     |                             |                                     |                                   |                           |                |                               |
| European Association for the Study of the Liver   | April 2, 2020  | NR                    | NR                               | Yes                            | NR                                            | Yes                 | Yes                         | Yes                                 | Yes                               | Yes                       | Yes            | Yes                           |
| United States/Canada                               |                |                       |                                  |                                |                                               |                     |                             |                                     |                                   |                           |                |                               |
| American College of Gastroenterology              | March 15, 2020 | Yes                   | Yes                              | Yes                            | Yes                                           | Yes                 | Yes                         | Yes                                 | NR                                | Yes                       | Yes            | NR                            |
| American Gastroenterological Association           | March 15, 2020 | Yes                   | Yes                              | Yes                            | Yes                                           | Yes                 | Yes                         | No                                  | Yes                               | Yes                       | Yes            | Yes                            |
| American Association for the Study of Liver Diseases | April 7, 2020  | Yes                   | Yes                              | Yes                            | Yes                                           | Yes                 | Yes                         | No                                  | No                                | Yes                       | Yes            | Yes                            |
| Europe                                            |                |                       |                                  |                                |                                               |                     |                             |                                     |                                   |                           |                |                               |
| Association Française Pour l’Etude du Foie        | April 6, 2020  | Yes                   | Yes                              | Yes                            | Yes                                           | Yes                 | Yes                         | Yes                                 | Yes                               | Yes                       | Yes            | Yes                           |
| Swiss Association for the Study of the Liver       | April 3, 2020  | NR                    | NR                               | Yes                            | NR                                            | Yes                 | Yes                         | Yes                                 | No                                | Yes                       | Yes            | Yes                            |
| British Society of Gastroenterology                | March 14, 2020 | NR                    | NR                               | Yes                            | NR                                            | Yes                 | Yes                         | Yes                                 | Yes                               | Yes                       | Yes            | Yes                            |
| The British Association for the Study of the Liver | March 18, 2020 | NR                    | NR                               | Yes                            | Yes                                           | No                  | Yes                         | Yes                                 | No                                | Yes                       | Yes            | Yes                            |
| Latin America                                     |                |                       |                                  |                                |                                               |                     |                             |                                     |                                   |                           |                |                               |
| Asociación Argentina para el Estudio de las Enfermedades de Hígado | NA             | NR                    | NR                               | Yes                            | Yes                                           | Yes                 | Yes                         | Yes                                 | Yes                               | Yes                       | Yes            | NR                            |
| Sociedade Brasileira de Hepatologia                | March 22, 2020 | NR                    | NR                               | Yes                            | Yes                                           | Yes                 | Yes                         | Yes                                 | Yes                               | Yes                       | Yes            | NR                            |
| Asociación Chilena de Hepatologia                  | NA             | NR                    | NR                               | NR                             | Yes                                           | NR                  | NR                         | No                                  | No                                | NR                       | Yes            | NR                            |
| Asia-Pacific                                      |                |                       |                                  |                                |                                               |                     |                             |                                     |                                   |                           |                |                               |
| Gastroenterological Society of Australia           | March 19, 2020 | NR                    | NR                               | Yes                            | Yes                                           | Yes                 | Yes                         | Yes                                 | Yes                               | Yes                       | Yes            | Yes                            |
| Pakistan Society for the Study of Liver Diseases    | NA             | NR                    | NR                               | Yes                            | Yes                                           | NR                  | NR                         | No                                  | No                                | Yes                       | Yes            | Yes                            |
showed high mortality rates in patients with cirrhosis. However, there are no published results yet of prospective studies that followed up patients with chronic liver disease/liver transplantation and COVID-19. Telemedicine is low cost, widely available, and well accepted by patients and clinicians. However, this technology might be challenged by differences in local regulations for telehealth services and/or reimbursement in each country/region. The risk of a flare of AIH or acute cellular rejection after liver transplantation secondary to unnecessary immunosuppressive reduction/withdrawal would overcome the risk of SARS-CoV-2 infection. High rates of hospital admission in critical care units have been leading to a shortage of health care workers, beds, ventilators, and blood products for HCC therapies and liver transplantation during the COVID-19 pandemic. Thus, health authorities should consider deviations from the current standard of care until definitive therapy can be delivered. It is worth noting that we relied on current available recommendations from international and national societies of gastroenterology/hepatology when writing this article. However, the results of our worldwide overview are aligned with the clinical recommendations and policies to mitigate the impact of the COVID-19 pandemic on patients with chronic liver diseases recently published by expert consensus. Large-scale testing might benefit patients at high risk of complications. Furthermore, while we wait for effective vaccines, the knowledge of the extent of immunity in each country will later guide health authorities to elaborate strategies when facing a potential second wave of COVID-19. Patients with cirrhosis and those on immunosuppressive medicines should be prioritized for testing until further evidence-based data become available.

In summary, worldwide gastroenterology and hepatology societies support the use of telehealth for managing patients with liver disease or liver transplantation. Hepatology and liver transplantation providers should follow the current recommendations to protect their patients during the COVID-19 pandemic. However, future studies addressing the impact of COVID-19 in patients with chronic liver diseases or liver transplantation are needed urgently.

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Dear Editor:

We read with keen interest Fan et al’s1 paper that was recently published in Clinical Gastroenterology and Hepatology, as we are being increasingly consulted on the etiology and management of liver biochemistry elevations in patients admitted with coronavirus disease 2019 (COVID-19). This study does an excellent job exonerating certain factors as a cause of elevated admission biochemistries. Fifty-five of 148 (37.2%) patients in this single center from China had abnormal liver biochemistries on admission.1 This study validated prior work finding that aspartate aminotransferase is the most likely liver biochemistry to be elevated on admission, followed by alanine aminotransferase and, uncommonly, total bilirubin and alkaline phosphatase.2,3 They found that patients with elevated admission biochemistries were not more likely to use antibiotic, antiviral, and antipyretic medications prior to hospitalization. They also found that patients with known pre-existing liver disease were evenly balanced between elevated and normal liver biochemistry groups. Patients with elevated admission liver biochemistries were also more likely to have a high-grade fever and higher C-reactive protein (though small effect size), raising the possibility that admission liver biochemistries correlate with the severity of infection. Without clear preadmission drug-induced injury or pre-existing liver disease, it appears that admission liver biochemistries are linked, by some unclear mechanism, to severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection.

Approximately half of patients with normal admission liver biochemistries developed elevated biochemistries in the Fan et al cohort, a mean of 7 days into admission. Another single center from China reported that 76% of patients developed liver biochemistries above the upper limit of normal during hospitalization.4 The cause of liver chemistry elevations in patients admitted with coronavirus disease 2019 (COVID-19) remains unknown. Given that many patients with COVID-19 develop new abnormal biochemistries while hospitalized, the relationship between in-hospital biochemistries and SARS-CoV-2 infection is less clear. In addition, with the known tropism of SARS-CoV-2 for angiotensin-converting enzyme 2 receptors, and their presence on biliary duct cells, one would expect infection to result in a cholestatic pattern of liver injury on presentation; however, this is not the case. Fan et al report that patients receiving lopinavir or ritonavir, and not any other medication, were more likely to have elevated liver biochemistries, but the lack of prospective randomization or controlling for confounding makes causality impossible to conclude. In fact, Lei et al5 found that peak aspartate aminotransferase and alanine

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Conflicts of interest
The authors disclose no conflicts.

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We Know Liver Biochemistries Are Elevated in COVID-19, But Should We Be Concerned?

Note: To access the supplementary material accompanying this article, visit the online version of Clinical Gastroenterology and Hepatology at www.cghjournal.org, and at https://doi.org/10.1016/j.cgh.2020.04.074.

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Supplementary Material

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Supplementary Methods

To identify the recommendations for care of patients with chronic liver diseases during the COVID-19 pandemic, we performed searches on the websites of the US and international societies of gastroenterology and hepatology (American Association for the Study of Liver Diseases, American College of Gastroenterology, American Gastroenterological Association, American Liver Foundation, Asian Pacific Association for the Study of the Liver, Asian Pacific Association of Gastroenterology, Asociación Latinoamericana para el Estudio del Higado, European Association for the Study of the Liver, United European Gastroenterology, World Gastroenterology Organisation, and World Hepatitis Alliance) and their affiliated national associations on April 10, 2020. Gastroenterology and hepatology societies/associations without an available website in English, French, Spanish, or Portuguese, and those without a specific report/statement document for managing patients with chronic liver diseases during the COVID-19 pandemic, were excluded. The following data were extracted from documents uploaded by each society: date of the recommendation, suggestions to temporarily postpone elective consultations and nonurgent procedures, to use telemedicine/telehealth for consultations, to limit patients/family members in clinics and to screen signs/symptoms in those individuals attending face-to-face consultations, to prescribe medical prescriptions for the next months, to check vaccination records, and recommendations on the use of immunosuppressive agents during the COVID-19 pandemic. Moreover, we collected specific recommendations for patients with AIH, HCC, and recipients of liver transplantation when available.

Supplementary Figure 1. Flowchart of the identified recommendations for management of patients with liver diseases during coronavirus 2019 pandemic.
**Supplementary Table 1.** Recommendations for the Management of Patients With Autoimmune Hepatitis or Hepatocellular Carcinoma and for Liver Transplantation During the COVID-19 Pandemic From International/National Societies of Gastroenterology or Hepatology Updated on April 10, 2020

| Society                              | Region                  | Continue immunosuppressive therapy | Use of telemedicine | Prescription for next month | Vaccination for influenza/S pneumoniae |
|--------------------------------------|-------------------------|------------------------------------|---------------------|-----------------------------|----------------------------------------|
| **Autoimmune hepatitis**             |                         |                                    |                     |                             |                                        |
| European Association for the Study of | International           | Yes                                 | Yes                 | Yes                         | Yes                                    |
| the Liver                           |                         |                                    |                     |                             |                                        |
| American Association for the Study   | United States/Canada    | Yes                                 | Yes                 | Yes                         | NR                                     |
| of Liver Diseases                    |                         |                                    |                     |                             |                                        |
| Belgian Association for the Study of | Europe                  | NR                                 | NR                  | NR                          | NR                                     |
| the Liver                           |                         |                                    |                     |                             |                                        |
| Association Française Pour l’Etude du | Europe                  | Yes                                 | Yes                 | Yes                         | Yes                                    |
| Foie                                |                         |                                    |                     |                             |                                        |
| Swiss Association for the Study of   | Europe                  | Yes                                 | Yes                 | NR                          | NR                                     |
| the Liver                           |                         |                                    |                     |                             |                                        |
| The British Association for the Study | Europe                  | Yes                                 | Yes                 | NR                          | NR                                     |
| of the Liver                        |                         |                                    |                     |                             |                                        |
| New Zealand Society of Gastroenterology | Asia-Pacific           | Yes                                 | Yes                 | NR                          | NR                                     |
| **Hepatocellular carcinoma**         |                         |                                    |                     |                             |                                        |
| European Association for the Study   | International           | Yes                                 | Yes                 | Yes                         | NR                                     |
| of the Liver                        |                         |                                    |                     |                             |                                        |
| American Association for the Study   | United States/Canada    | Yes                                 | Yes                 | Yes                         | NR                                     |
| of Liver Diseases                    |                         |                                    |                     |                             |                                        |
| Association Française Pour l’Etude du | Europe                  | Yes                                 | NR                  | NR                          | NR                                     |
| Foie                                |                         |                                    |                     |                             |                                        |
| Swiss Association for the Study of   | Europe                  | Yes                                 | NR                  | NR                          | NR                                     |
| the Liver                           |                         |                                    |                     |                             |                                        |
| Asociación Argentina para el Estudio de | Latin America           | Yes                                 | Yes                 | Yes                         | NR                                     |
| las Enfermedades de Higado           |                         |                                    |                     |                             |                                        |
| Sociedade Brasileira de Hepatologia  | Latin America           | Yes                                 | Yes                 | Yes                         | NR                                     |
| New Zealand Society of Gastroenterology | Asia-Pacific           | Yes                                 | Yes                 | Yes                         | NR                                     |
| **Liver transplantation**            |                         |                                    |                     |                             |                                        |
| European Association for the Study   | International           | Yes                                 | Yes                 | Yes                         | Yes                                    |
| of the Liver                        |                         |                                    |                     |                             |                                        |
| American Association for the Study   | United States/Canada    | Yes                                 | Yes                 | Yes                         | NR                                     |
| of Liver Diseases                    |                         |                                    |                     |                             |                                        |
| Belgian Association for the Study of | Europe                  | Yes                                 | NR                  | Yes                         | NR                                     |
| the Liver                           |                         |                                    |                     |                             |                                        |
| Swiss Association for the Study of   | Europe                  | Yes                                 | Yes                 | NR                          | NR                                     |
| the Liver                           |                         |                                    |                     |                             |                                        |
| British Society of Gastroenterology  | Europe                  | Yes                                 | Yes                 | NR                          | NR                                     |
| The British Association for the Study | Europe                  | Yes                                 | Yes                 | NR                          | NR                                     |
| of the Liver                        |                         |                                    |                     |                             |                                        |
| Sociedade Brasileira de Hepatologia  | Latin America           | Yes                                 | Yes                 | Yes                         | NR                                     |
| Indian National Association for Study | Asia-Pacific           | Yes                                 | Yes                 | Yes                         | NR                                     |
| of the Liver                        |                         |                                    |                     |                             |                                        |
| New Zealand Society of Gastroenterology | Asia-Pacific           | Yes                                 | Yes                 | NR                          | NR                                     |

**NOTE.** The Belgian Association for the Study of the Liver (Belgium) and the Sociedade Brasileira de Hepatologia (Brazil) recommended continuing performing liver transplantation for all patients; the European Association for the Study of the Liver/American Association for the Study of Liver Diseases (International), British Society of Gastroenterology/British Association for the Study of the Liver (United Kingdom), and the New Zealand Society of Gastroenterology (New Zealand) recommended performing liver transplantation only for life-threatening situations, such as HCC and acute liver failure. HCC, hepatocellular carcinoma; NR, not reported; SARS-CoV-2, severe acute respiratory syndrome coronavirus 2.
**Supplementary Table 2. Gastroenterology/Hepatology Societies Accessed to Review the Recommendations for Management of Patients With Chronic Liver Diseases or Transplantation During the COVID-19 Pandemic: Updated on April 10, 2020**

| Country | Society name | Member | URL |
|---------|--------------|--------|-----|
| International | Asociacion Latinoamericana para el Estudio del Hígado | Not applicable | https://alehlatam.org/ |
| International | Asian Pacific Association for the Study of the Liver | Not applicable | http://apasl.info/ |
| International | Asian Pacific Association of Gastroenterology and Hepatology | Not applicable | http://www.apage.org/index.html |
| International | European Association for the Study of the Liver | Not applicable | https://easl.eu/ |
| International | United European Gastroenterology Association | Not applicable | https://www.ueg.eu/home/ |
| International | World Gastroenterology Organisation | Not applicable | https://www.worldgastroenterology.org/ |
| International | World Hepatitis Alliance | Not applicable | https://www.worldhepatitisalliance.org/ |
| United States | American College of Gastroenterology | Not applicable | https://gi.org/ |
| United States | American Association for the Study of Liver Diseases | Not applicable | https://www.aasld.org/ |
| United States | American Gastroenterological Association | Not applicable | https://www.gastro.org/ |
| United States | American Association for the Study of Liver Diseases | Not applicable | https://www.aasld.org/ |
| Europe | Albania | Shoqata Shoqate Gastro-Enterohepatologjisë | UEG | Not available |
| Europe | Armenia | Armenian Gastroenterology Association | UEG | Not available |
| Europe | Armenia | Armenian Hepatological Forum | EASL | Not available |
| Europe | Austria | Österreichische Gesellschaft für Gastroenterologie und Hepatologie | UEG/EASL | http://www.oeggh.at/ |
| Europe | Azerbaijan | Azerbaijan Gastroenterologists and Hepatologists Society | UEG/EASL | http://www.geha.ba |
| Europe | Bulgaria | Bulgarian Society of Gastroenterology | UEG/EASL | http://www.bsbg.bg |
| Europe | Croatia | Hrvatsko gastroenterološko društvo | UEG/EASL | http://www.hgd.hr |
| Europe | Czech Republic | Czech Society of Gastroenterology | UEG | http://www.cgs-cls.cz |
| Europe | Czech Republic | Czech Society of Hepatology | EASL | www.ces-hep.cz |
| Europe | Denmark | Danish Gastroenterology and Hepatology Association | UEG/EASL | http://www.dsgh.dk |
| Europe | Estonia | Eesti Gastroenterologiste Selts, Estonian Society of Gastroenterology | UEG/EASL | Not available |
| Europe | Finland | Suomen gastroenterologiayhistyst ry | UEG/EASL | http://www.gastroenterologiayhistystys.fi |
| Europe | France | Société Nationale Française de Gastro-Enterologie | UEG | https://www.snfge.org |
| Europe | France | Association Française Pour l’Etude du Foie | EASL | www.afef.asso.fr |
| Europe | Georgia | Georgian National Gastroenterology And Hepatology Society | UEG/EASL | Not available |
| Europe | Germany | Deutsche Gesellschaft für Gastroenterologie, Verdauungs- und Stoffwechselkrankheiten | UEG | http://www.dgvs.de |
| Europe | Germany | German Society for the Study of the Liver | EASL | www.gasl.de |
| Europe | Greece | Hellenic Society of Gastroenterology | UEG | http://www.hsg.gr |
| Europe | Greece | Hellenic Association for the Study of the Liver | EASL | www.eemh.gr |
| Europe | Hungary | Magyar Gasztroenterológiai Társaság | UEG | http://www.gastroent.hu |
| Europe | Hungary | Hungarian Liver Research Society | EASL | Not available |
| Europe | Ireland | Irish Society of Gastroenterology | UEG/EASL | http://www.isge.ie |
| Europe | Israel | Israel Gastroenterological Association | UEG | http://gastro.doctorsonly.co.il/ |
| Europe | Israel | Israel Association for the Study of Liver Diseases | EASL | Not available |
| Europe | Italy | Associazione Italiana Gastroenterologi ed Endoscopisti Digestivi Ospedalieri | UEG | http://www.webaigo.it/ |
| Europe | Italy | Società Italiana di Gastroenterologia ed Endoscopia Digestiva | UEG | http://www.sigeitalia.it |
| Europe | Italy | Italian Association for the Study of the Liver Association Italiana per lo Studio del Fegato | EASL | www.webaisf.org |
| Country         | Society name                                                                 | Member | URL                         |
|-----------------|-------------------------------------------------------------------------------|--------|-----------------------------|
| Kazakhstan      | GastroHepatoTransplantGroup Astana                                          | EASL   | Not available               |
| Kosovo          | Shoqata e Gastroenterologëve të Kosovës                                     | UEG    | https://www.shgk-rks.org/   |
| Latvia          | Gastroenterologijas Atbalsta biedriba                                        | UEG    | http://www.gastroenterologs.lv |
| Latvia          | Latvian Association of Infectologists and Hepatologists                     | EASL   | Not available               |
| Lithuania       | Lietuvos Gastroenterology Draugija                                           | UEG/EASL | http://www.gastroenterologija.lt/ |
| Luxembourg      | Société Luxembourgoise de Gastro-Entérologie                                 | UEG    | Not available               |
| Mediterranean   | Mediterranean Association for the Study of the Liver                         | EASL   | Not available               |
| Montenegro      | Gastroenterohepatology Association of Montenegro                              | UEG    | http://www.ugcg.me          |
| North Macedonia | North Macedonian Society of Gastroenterology                                | UEG    | Not available               |
| Norway          | Norsk Gastroenterologisk Forening                                            | UEG/EASL | https://www.legeforeningen.no/ |
| Poland          | Polskie Towarzystwo Gastroenterologii                                       | UEG    | http://www.ptg-e.org.pl     |
| Poland          | Polish Association for the Study of the Liver                                | EASL   | www.pasl.pl                 |
| Portugal        | Sociedade Portuguesa de Gastroenterologia                                   | UEG    | http://www.spbg.pt          |
| Portugal        | Associação Portuguesa para o Estudo do Fígado                               | EASL   | Not available               |
| Romania         | Societatea Română de Gastroenterologie și Hepatologie                       | UEG    | http://www.srgh.ro          |
| Romania         | Romanian Association for Liver Diseases                                      | EASL   | www.roald.ro                |
| Russia          | Russian Gastroenterological Association                                     | UEG    | Not available               |
| Russian Federation | Russian Scientific Liver Society                                             | EASL   | www.rssls.ru                |
| Serbia          | Serbian Gastroenterology Association                                        | UEG    | http://www.ugs.rs          |
| Serbia          | Hepatology section of the Serbian Medical Society                           | EASL   | http://hepatoloska.sld.org.rs |
| Slovakia        | Slovenská Gastroenterologická Spoločnost                                     | UEG    | http://www.sgssls.sk        |
| Slovakia        | Slovak Society of Hepatology                                                 | EASL   | www.hepatology.sk           |
| Slovenia        | Slovenian Society of Gastroenterology                                       | UEG/EASL | http://www.szgh.si        |
| Spain           | Asociación Española de Gastroenterología                                     | UEG    | http://www.aegastro.es/     |
| Spain           | Sociedad Española de Patología Digestiva                                     | UEG    | http://www.sepd.es          |
| Spain           | Asociación Española para el Estudio del Hígado                              | EASL   | www.aeeh.es                 |
| Sweden          | Svensk Gastroenterologisk Föreningen                                        | UEG/EASL | http://www.svenskgastroenterologii.se/ |
| Switzerland     | Schweizerische Gesellschaft für Gastroenterologie                            | UEG    | http://www.sggssg.ch        |
| Switzerland     | Swiss Association for the Study of the Liver                                 | EASL   | www.sasli.ch                |
| The Netherlands | Nederlandse Vereniging voor Gastro-Enterologie                               | UEG    | http://www.nvge.nl          |
| The Netherlands | Nederlandse Vereniging van Maag-Darm-Leverarten                              | UEG    | http://www.mdl.nl           |
| Tunisia         | Société Tunisienne de Gastro-Entérologie                                     | UEG    | http://www.stge.org.tn      |
| Turkey          | Türk Gastroenteroloji Derneği                                               | UEG    | http://www.tgd.org.tr       |
| Turkey          | Turkish Association for the Study of the Liver                              | EASL   | http://tasl.org.tr          |
| Ukraine         | Ukrainian Gastroenterological Association                                   | UEG    | http://ukrgastro.com.ua     |
| Ukraine         | Ukrainian Association for the Study of the Liver Disease                    | EASL   | Not available               |
| United Kingdom  | British Society of Gastroenterology                                         | UEG    | https://www.bsg.org.uk      |
| United Kingdom  | The British Association for the Study of the Liver                           | EASL   | www.basl.org.uk             |
| Central and Latin America | Argentina para el Estudio de las Enfermedades de Hígado | ALEH   | www.aaehe.org.ar           |
| Argentina       | Asociación Argentina para el Estudio de las Enfermedades de Hígado           | ALEH   | www.sbhhepatologia.org.br   |
| Brazil          | Sociedad Brasileira de Hepatologia                                          | ALEH   | www.gastrobolivia.org       |
| Bolivia         | Sociedad Boliviana de Gastroenterología y Endoscopia Digestiva              | ALEH   |                            |
| Chile           | Asociación Chilena de Hepatologia                                           | ALEH   | www.sociedadgastro.cl       |
| Colombia        | Asociación Colombiana de Hepatología                                        | ALEH   | www.higadocolombia.org      |
| Costa Rica      | Asociación Costarricense de Especialistas en Gastroenterología y Endoscopia | ALEH   | www.gastroenterologoscr.com |
| Cuba            | Sociedad Cubana de Gastroenterología                                       | ALEH   | Not available               |
**Supplementary Table 2. Continued**

| Country       | Society name                                                                 | Member   | URL                                                      |
|---------------|------------------------------------------------------------------------------|----------|---------------------------------------------------------|
| Ecuador       | Sociedad de Gastroenterología de Ecuador                                     | ALEH     | [http://www.gastroquito.med.ec](http://www.gastroquito.med.ec) |
| Guatemala     | Asociación Guatemalteca de Gastroenterología, Hepatología y Endoscopia Gastrointestinal | ALEH     | [www.gastroenterologosdeguatemala.org](http://www.gastroenterologosdeguatemala.org) |
| Honduras      | Asociación Hondureña de Gastroenterología                                   | ALEH     | [www.asociaciondegastroenterologiadehonduras.org](http://www.asociaciondegastroenterologiadehonduras.org) |
| Mexico        | Asociación Mexicana de Hepatología                                          | ALEH     | [www.hepatologia.org.mx](http://www.hepatologia.org.mx)   |
| Paraguay      | Sociedad Paraguaya de Gastroenterología y Endoscopia Digestiva               | ALEH     | [www.spge.org.py](http://www.spge.org.py)                 |
| Panama        | Asociación Panameña de Gastroenterología y Endoscopia Digestiva              | ALEH     | [https://gastropanama.org/](http://www.gastropanama.org/)  |
| Peru          | Asociación Peruana de Hepatología                                          | ALEH     | [http://apeh.com.pe](http://apeh.com.pe)                   |
| Puerto Rico   | Asociación Puertorriqueña de Gastroenterología                              | ALEH     | [www.prfgastro.org](http://www.prfgastro.org)             |
| Republica Dominicana | Sociedad Dominicana de Gastroenterología                                          | ALEH     | [www.sodogastro.com](http://www.sodogastro.com)          |
| Uruguay       | Sociedad de Gastroenterología del Uruguay                                   | ALEH     | [www.sgu.org.uy](http://www.sgu.org.uy)                 |
| Venezuela     | Sección Hepatología de Sociedad Venezolana de Gastroenterología             | ALEH     | [www.sovegastro.org](http://www.sovegastro.org)          |
| Canada        | Canadian Association of Gastroenterology                                    | United States/Canada | [https://www.cag-acg.org/](https://www.cag-acg.org/) |
| Canada        | Canadian Association for the Study of the Liver                             | United States/Canada | [https://hepatology.ca/about-casl/](https://hepatology.ca/about-casl/) |
| **Asia-Pacific Region** |                                                                 |          |                                                         |
| Australia     | Australasian Hepatology Association                                         | APASL    | [http://www.hepatologyassociation.com.au](http://www.hepatologyassociation.com.au) |
| Australia     | Gastroenterological Society of Australia                                    | APASL    | [http://www.gesa.org.au](http://www.gesa.org.au)       |
| China         | Chinese Society of Gastroenterology                                         | APASL    | [http://www.csge.org](http://www.csge.org)              |
| Singapore     | Gastroenterological Society of Singapore                                    | APASL    | [http://www.gastro.org.sg](http://www.gastro.org.sg)    |
| Thailand      | The Gastroenterological Association of Thailand                              | APASL    | [http://www.gastrothai.net/eng/index.php](http://www.gastrothai.net/eng/index.php) |
| Thailand      | Thai Association for the Study of the Liver                                 | APASL    | [https://thai.osl.org/en/homepage](https://thai.osl.org/en/homepage) |
| Philippines   | Hepatology Society of the Philippines                                       | APASL    | [https://hsp.org.ph/](https://hsp.org.ph/)              |
| Hong Kong     | The Hong Kong Society of Gastroenterology                                  | APASL    | [http://www.hksge.org/home.htm](http://www.hksge.org/home.htm) |
| India         | Indian National Association for Study of the Liver                           | APASL    | [http://www.inasl.org.in](http://www.inasl.org.in)     |
| Indonesia     | Indonesian Association for the Study of the Liver                            | APASL    | [http://pphi-online.org/alpha](http://pphi-online.org/alpha) |
| South Korea   | Korean Society of Gastroenterology                                         | APASL    | [http://www.gastrokorea.org/eng/about/about.html](http://www.gastrokorea.org/eng/about/about.html) |
| Malaysia      | Malaysian Liver Foundation                                                  | APASL    | [http://www.liver.org.my/welcome.php](http://www.liver.org.my/welcome.php) |
| Malaysia      | Malaysian Society of Gastroenterology and Hepatology                        | APASL    | [http://www.msgh.org.my](http://www.msgh.org.my)        |
| Nepal         | Nepalese Association for the Studies of the Liver                            | APASL    | [http://nasnepal.com](http://nasnepal.com)               |
| New Zealand   | New Zealand Society of Gastroenterology Inc.                               | APASL    | [http://www.nzsg.org.nz](http://www.nzsg.org.nz)        |
| Pakistan      | Pakistan Society for the Study of Liver Diseases                            | APASL    | [http://pslid.org.pk](http://pslid.org.pk)              |
| Pakistan      | Pakistan Society of Gastroenterology and GI Endoscopy                      | APASL    | [http://www.psg.org.pk](http://www.psg.org.pk)          |
| Sri Lanka     | Sri Lanka Society of Gastroenterology                                       | APASL    | [http://sslsg.lk/eng/index.php/eng](http://sslsg.lk/eng/index.php/eng) |
| South Asia    | South Asian Association for the Study of the Liver                          | APASL    | [http://ssaasl.org](http://ssaasl.org)                  |
| **Africa**    |                                                                 |          |                                                         |
| Algeria       | Société Algérienne d’Hépato-gastro-entérologie et d’Endoscopie digestive  | UEG      | [http://www.sahgeed.com](http://www.sahgeed.com)       |
| Egypt         | Egyptian Association for Research and Training in Hepatogastroenterology    | UEG      | Not available                                           |
| Egypt         | Egyptian Association for the Study of Gastrointestinal and Liver Disease    | APASL    | [http://www.easgld.org/index.htm](http://www.easgld.org/index.htm) |
| Morocco       | Société Marocaine des Maladies de l’Appareil Digestif                      | UEG      | [http://www.snmad-ma.com](http://www.snmad-ma.com)      |

ALEH, Asociacion Latinoamericana para el Estudio del Higado; APASL, Asian Pacific Association for the Study of the Liver; EASL, European Association for the Study of the Liver; UEG, United European Gastroenterology.
### Supplementary Table 3. Web Links of Recommendations for Management of Patients With Chronic Liver Diseases or Liver Transplantation During the COVID-19 Pandemic From International/National Societies of Gastroenterology/Hepatology Updated on April 10, 2020

| Country          | Society name                                              | Web-site in English, French, Spanish, or Portuguese | Date of recommendation | URL of recommendation for management of patients with chronic liver diseases during COVID-19 pandemic |
|------------------|-----------------------------------------------------------|-----------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------|
| International    | Asociacion Latinoamericana para el Estudio del Higado     | Yes                                                  | Not available          | https://easl.eu/news/easl-escmid-position-paper-on-covid19-and-the-liver/                        |
| International    | Asian Pacific Association for the Study of the Liver      | Yes                                                  | Not available          | https://www.ueg.eu/news/news/news-details/article/covid-19-scientific-information-for-the-digestive-health-community/ |
| International    | Asian Pacific Association of Gastroenterology             | Yes                                                  | Not available          | https://www.worldgastroenterology.org/about-wgo/media-center/covid-19—a-message-from-wgo-president?utm_source=WGOBanner&utm_medium=Homepage&utm_campaign=WGOBanner_Homepage_COVID19#Patients%20Liver%20Disease |
| International    | European Association for the Study of the Liver           | Yes                                                  | April 2, 2020          | https://www.easld.org/about-easld/covid-19-resources                                             |
| International    | United European Gastroenterology                          | Yes                                                  | Not reported           | https://www.ueg.eu/news/news/news-details/article/covid-19-scientific-information-for-the-digestive-health-community/ |
| International    | World Gastroenterology Organisation                       | Yes                                                  | Not reported           | https://www.easld.org/about-easld/covid-19-resources                                             |
| International    | World Hepatitis Alliance                                  | Yes                                                  | Not available          | https://www.ueg.eu/news/news/news-details/article/covid-19-scientific-information-for-the-digestive-health-community/ |
| United States    | American College of Gastroenterology                     | Yes                                                  | March 15, 2020         | https://www.gastro.org/press-release/joint-gi-society-message-covid-19-clinical-insights-for-our-community-of-gastroenterologists-and-gastroenterology-care-providers |
| United States    | American Gastroenterological Association                  | Yes                                                  | March 15, 2020         | https://www.gastro.org/press-release/joint-gi-society-message-covid-19-clinical-insights-for-our-community-of-gastroenterologists-and-gastroenterology-care-providers |
| United States    | American Association for the Study of Liver Diseases      | Yes                                                  | April 7, 2020          | https://www.aasld.org/about-aasld/covid-19-resources                                             |
| United States    | American Liver Foundation                                 | Yes                                                  | Not available          | https://www.aasld.org/about-aasld/covid-19-resources                                             |
| Europe           | Albania                                                   | No                                                   | Not available          |                                                                                                  |
| Armenia          | Armenian Gastroenterology Association                     | No                                                   | Not available          |                                                                                                  |
| Armenia          | Armenian Hepatological Forum Österreichische Gesellschaft für Gastroenterologie und Hepatologie | No | Not available |                                                                                                  |
| Azerbaijan       | Azerbaijani Gastroenterologists and Hepatologists Society | Yes                                                  | Not available          |                                                                                                  |
| Belarus          | Byelorussian Gastroenterology Association                 | No                                                   | Not available          |                                                                                                  |
| Belgium          | Société Royale Belge de Gastro-Entérologie                | Yes                                                  | March 18, 2020         | https://www.srbge.be/wp-content/uploads/2020/03/200322_SRBGE_procedure_ambu prive.pdf            |
| Belgium          | Vlaamse Vereniging voor Gastroenterologie                | No                                                   | Not available          |                                                                                                  |
| Belgium          | Belgian Association for the Study of the Liver            | Yes                                                  | Not reported           | https://www.basl.be/news/covid-19-and-liver/                                                     |
| Bosnia and Herzegovina | Association of Gastroenterohepatologists in Bosnia and Herzegovina | No | Not available |                                                                                                  |
Supplementary Table 3. Continued

| Country       | Society name                                                                 | Web-site in English, French, Spanish, or Portuguese | Date of recommendation | URL of recommendation for management of patients with chronic liver diseases during COVID-19 pandemic |
|---------------|------------------------------------------------------------------------------|-----------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------|
| Bulgaria      | Bulgarian Society of Gastroenterology                                        | No                                                  | Not available            |                                                                                                   |
| Croatia       | Hrvatsko gastroenterološko društvo                                           | No                                                  | Not available            |                                                                                                   |
| Czech Republic| Czech Society of Gastroenterology                                           | Yes                                                 | Not available            |                                                                                                   |
| Czech Republic| Czech Society of Hepatology and Hepatology Association                      | No                                                  | Not available            |                                                                                                   |
| Denmark       | Danish Gastroenterology and Hepatology Association                          | No                                                  | Not available            |                                                                                                   |
| Estonia       | Eesti Gastroenteroloogide Selts, Estonian Society of Gastroenterology        | No                                                  | Not available            |                                                                                                   |
| Finland       | Suomen Gastroenterologiayhdysty ry                                          | No                                                  | Not available            |                                                                                                   |
| France        | Société Nationale Française de Gastro-Entérologie                           | Yes                                                 | April 6, 2020            | https://afef.asso.fr/article_actu/covid-19-foie-retrouvez-lensemble-des-informations/          |
| Georgia       | Georgian National Gastroenterology And Hepatology Society                   | No                                                  | Not available            |                                                                                                   |
| Germany       | Deutsche Gesellschaft für Gastroenterologie, Verdaunungs- und Stoffwechselkrankheiten | No                                                  | Not available            |                                                                                                   |
| Germany       | German Society for the Study of the Liver                                   | No                                                  | Not available            |                                                                                                   |
| Greece        | Hellenic Society of Gastroenterology                                       | No                                                  | Not available            |                                                                                                   |
| Greece        | Hellenic Association for the Study of the Liver                             | No                                                  | Not available            |                                                                                                   |
| Hungary       | Magyar Gastroenterológiai Társaság                                         | Yes                                                 | Not available            |                                                                                                   |
| Hungary       | Hungarian Liver Research Society                                            | No                                                  | Not available            |                                                                                                   |
| Ireland       | Irish Society of Gastroenterology                                          | Yes                                                 | Not available            |                                                                                                   |
| Israel        | Israel Gastroenterological Association                                      | No                                                  | Not available            |                                                                                                   |
| Israel        | Israel Association for the Study of Liver Diseases                          | No                                                  | Not available            |                                                                                                   |
| Italy         | Associazione Italiana Gastroenterologi ed Endoscopisti Digestivi Ospedaliere| No                                                  | Not available            |                                                                                                   |
| Italy         | Società Italiana di Gastroenterologia ed Endoscopia Digestiva                | No                                                  | Not available            |                                                                                                   |
| Italy         | Italian Association for the Study of the Liver Associazione Italiana per lo Studio del Fegato | Yes                                                 | Not available            |                                                                                                   |
| Kazakhstan    | GastroHepatoTransplantGroup Astana                                         | No                                                  | Not available            |                                                                                                   |
| Kosovo        | Shoqata e Gastroenterologjëve të Kosovës                                     | No                                                  | Not available            |                                                                                                   |
| Latvia        | Gastroenterologijas Atbalsta Biedriba                                       | Yes                                                 | Not available            |                                                                                                   |
| Latvia        | Latvian Association of Infectologists and Hepatologists                     | No                                                  | Not available            |                                                                                                   |
| Lithuania     | Lietuvos Gastroenterology Draugija                                           | No                                                  | Not available            |                                                                                                   |
| Country                  | Society name                                                                 | Web-site in English, French, Spanish, or Portuguese | Date of recommendation | URL of recommendation for management of patients with chronic liver diseases during COVID-19 pandemic |
|-------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------|
| Luxembourg              | Société Luxembourgeoise de Gastro-Entérologie                                | No                                                  | Not available          |                                                                                                   |
| Mediterranean           | Mediterranean Association for the Study of the Liver                         | No                                                  | Not available          |                                                                                                   |
| Montenegro              | Gastroenterohepatology Association of Montenegro                              | Yes                                                 | Not available          |                                                                                                   |
| North Macedonia         | North Macedonian Society of Gastroenterohepatology                           | No                                                  | Not available          |                                                                                                   |
| Norway                  | Norsk Gastroenterologisk Forening                                            | No                                                  | Not available          |                                                                                                   |
| Poland                  | Polskie Towarzystwo Gastroenterologii                                        | Yes                                                 | Not available          |                                                                                                   |
| Portugal                | Polish Association for the Study of the Liver                                 | No                                                  | Not available          |                                                                                                   |
| Portugal                | Sociedade Portuguesa de Gastrenterologia                                     | Yes                                                 | Not available          |                                                                                                   |
| Portugal                | Associação Portuguesa para o Estudo do Fígado                                | No                                                  | Not available          |                                                                                                   |
| Romania                 | Societatea Română de Gastroenterologie și Hepatologie                        | No                                                  | Not available          |                                                                                                   |
| Romania                 | Romanian Association for Liver Diseases                                       | Yes                                                 | Not available          |                                                                                                   |
| Russian Federation      | Russian Gastroenterological Association                                      | No                                                  | Not available          |                                                                                                   |
| Russia                  | Russian Scientific Liver Society                                             | No                                                  | Not available          |                                                                                                   |
| Serbia                  | Serbian Gastroenterology Association                                         | No                                                  | Not available          |                                                                                                   |
| Serbia                  | Hepatology section of the Serbian Medical Society                            | No                                                  | Not available          |                                                                                                   |
| Slovakia                | Slovenská Gastroenterologická Spoločnost                                     | No                                                  | Not available          |                                                                                                   |
| Slovakia                | Slovak Society of Hepatology                                                 | No                                                  | Not available          |                                                                                                   |
| Slovenia                | Slovenian Society of Gastroenterology                                        | No                                                  | Not available          |                                                                                                   |
| Spain                   | Asociación Española de Gastroenterología                                     | Yes                                                 | Not available          |                                                                                                   |
| Spain                   | Sociedad Española de Patología Digestiva                                      | Yes                                                 | Not available          |                                                                                                   |
| Spain                   | Asociacion Espanola para el Estudio del Higado                               | Yes                                                 | Not available          |                                                                                                   |
| Sweden                  | Svensk Gastroenterologisk Förening                                           | No                                                  | Not available          |                                                                                                   |
| Switzerland             | Schweizerische Gesellschaft für Gastroenterologie                            | Yes                                                 | Not available          |                                                                                                   |
| Switzerland             | Swiss Association for the Study of the Liver                                 | Yes                                                 | April 3, 2020          | https://sasl.unibas.ch/guidelines/SASL-Swiss%20hepatitis-SARS-CoV-2%20Recommendations%20French.pdf |
| The Netherlands          | Nederlandse Vereniging voor Gastro-Enterologie                              | No                                                  | Not available          |                                                                                                   |
| The Netherlands          | Nederlandse Vereniging van Maag-Darm-Leverartsen                             | No                                                  | Not available          |                                                                                                   |
| The Netherlands          | Hepatologie Dutch Society for Hepatology                                     | No                                                  | Not available          |                                                                                                   |
| Tunisia                  | Société Tunisienne de Gastro-Entérologie                                     | Yes                                                 | Not available          |                                                                                                   |
| Turkey                   | Türk Gastroenteroloji Derneği                                               | No                                                  | Not available          |                                                                                                   |
| Turkey                   | Turkish Association for the Study of the Liver                               | Yes                                                 | Not available          |                                                                                                   |
Supplementary Table 3. Continued

| Country        | Society name                                                   | Web-site in English, French, Spanish, or Portuguese | Date of recommendation | URL of recommendation for management of patients with chronic liver diseases during COVID-19 pandemic |
|----------------|---------------------------------------------------------------|----------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------|
| Ukraine        | Ukrainian Gastroenterological Association                    | No                                                 | Not available          |                                                                                                   |
| Ukraine        | Ukrainian Association for the Study of the Liver Disease     | No                                                 | Not available          |                                                                                                   |
| United Kingdom | British Society of Gastroenterology                          | Yes                                                | March 14, 2020         | https://www.bsg.org.uk/covid-19-advice/bsg-and-basl-covid-19-advice-for-healthcare-professionals-in-gastroenterology-and-hepatology/ |
| United Kingdom | The British Association for the Study of the Liver            | Yes                                                | March 18, 2020         | https://www.basl.org.uk/index.cfm/news/list/cid/8                                                |
| Central and Latin America |                                                   |                                                     |                        |                                                                                                   |
| Argentina      | Asociación Argentina para el Estudio de las Enfermedades de Hígado | Yes                                                 | Not reported           | http://www.aasah.org.ar/index.php/profesionales/recomendaciones-covid19                          |
| Brazil         | Sociedad Brasileira de Hepatología                           | Yes                                                | March 22, 2020         | http://sbhepatologia.org.br/noticias/sbh-emite-nota-tecnica-sobre-covid-19/                      |
| Bolivia        | Sociedad Boliviana de Gastroenterología y Endoscopia Digestiva | No                                                 | Not available          |                                                                                                   |
| Chile          | Asociación Chilena de Hepatología                            | Yes                                                | Not reported           | http://www.sociedadgastro.cl/gastroweb/index.php/noticias/426-comunicado-conjunto-schge-asociaciones-agrupaciones-y-filiales-covid-19-mensaje-a-socios-sociedad-chilena-de-gastroenterologia-schge |
| Colombia       | Asociación Colombiana de Hepatología                         | Yes                                                | Not available          |                                                                                                   |
| Costa Rica     | Asociación Costarricense de Especialistas en Gastroenterología y Endoscopia | Yes                                                | Not available          |                                                                                                   |
| Cuba           | Sociedad Cubana de Gastroenterología                         | No                                                 | Not available          |                                                                                                   |
| Ecuador        | Sociedad de Gastroenterología de Ecuador                     | Yes                                                | Not available          |                                                                                                   |
| Guatemala      | Asociación Guatemalteca de Gastroenterología, Hepatología y Endoscopia Gastrointestinal | Yes                                                | Not available          |                                                                                                   |
| Honduras       | Asociación Hondureña de Gastroenterología                    | Yes                                                | Not available          |                                                                                                   |
| Mexico         | Asociación Mexicana de Hepatología                           | Yes                                                | Not available          |                                                                                                   |
| Paraguay       | Sociedad Paraguaya de Gastroenterología y Endoscopia Digestiva | Yes                                                | Not available          |                                                                                                   |
| Panama         | Asociación Panameña de Gastroenterología y Endoscopia Digestiva | Yes                                                | Not available          |                                                                                                   |
| Peru           | Asociación Peruana de Hepatología                            | Yes                                                | Not available          |                                                                                                   |
| Puerto Rico    | Asociación Puertorriqueña de Gastroenterología                | Yes                                                | Not available          |                                                                                                   |
| República Dominicana |                                                     |                                                     |                        |                                                                                                   |
| Country          | Society name                                              | Web-site in English, French, Spanish, or Portuguese | Date of recommendation | URL of recommendation for management of patients with chronic liver diseases during COVID-19 pandemic |
|------------------|-----------------------------------------------------------|-----------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------|
| Uruguay          | Sociedad de Gastroenterología del Uruguay                | Yes                                                 | Not available           |                                                                                                  |
| Venezuela        | Sección Hepatología de Sociedad Venezolana de Gastroenterología | Yes                                                 | Not available           |                                                                                                  |
| Canada           | Canadian Association of Gastroenterology                 | Yes                                                 | Not available           |                                                                                                  |
| Canada           | Canadian Association for the Study of the Liver          | Yes                                                 | Not available           |                                                                                                  |
| Asia-Pacific region |                                                    |                                                     |                         |                                                                                                  |
| Australia        | Australasian Hepatology Association                      | Yes                                                 | Not available           |                                                                                                  |
| Australia        | Gastroenterological Society of Australia                 | Yes                                                 | March 19, 2020          | https://www.gesa.org.au/resources/covid-19                                                      |
| China            | Chinese Society of Gastroenterology                      | Yes                                                 | Not available           |                                                                                                  |
| Singapore        | Gastroenterological Society of Singapore                 | Yes                                                 | Not available           |                                                                                                  |
| Thailand         | The Gastroenterological Association of Thailand           | No                                                  | Not available           |                                                                                                  |
| Thailand         | Thai Association for the Study of the Liver              | Yes                                                 | Not available           |                                                                                                  |
| Philippines      | Hepatology Society of the Philippines                    | Yes                                                 | Not available           |                                                                                                  |
| Hong Kong        | The Hong Kong Society of Gastroenterology                | Yes                                                 | Not available           |                                                                                                  |
| India            | Indian National Association for the Study of the Liver   | Yes                                                 | March 23, 2020          | http://www.inasl.org.in/covid19.php                                                             |
| Indonesia        | Indonesian Association for the Study of the Liver        | Yes                                                 | Not available           |                                                                                                  |
| South Korea      | Korean Society of Gastroenterology                       | Yes                                                 | Not available           |                                                                                                  |
| Malaysia         | Malaysian Liver Foundation                               | No                                                  | Not available           |                                                                                                  |
| Malaysia         | Malaysian Society of Gastroenterology and Hepatology     | Yes                                                 | Not available           |                                                                                                  |
| Nepal            | Nepalese Association for the Studies of the Liver        | Yes                                                 | Not available           |                                                                                                  |
| New Zealand      | New Zealand Society of Gastroenterology, Inc             | Yes                                                 | March 31, 2020          | https://nzsg.org.nz/news-and-events/article/3485                                               |
| Pakistan         | Pakistan Society for the Study of Liver Diseases          | Yes                                                 | Not reported            | https://psslid.com.pk/zaigham-COVID_PSSLID.pdf                                                 |
| Pakistan         | Pakistan Society of Gastroenterology and GI Endoscopy    | No                                                  | Not available           |                                                                                                  |
| Sri Lanka        | Sri Lanka Society of Gastroenterology                    | Yes                                                 | Not available           |                                                                                                  |
| South Asia       | South Asian Association for the Study of the Liver       | Yes                                                 | Not available           |                                                                                                  |
| Africa           |                                                          |                                                     |                         |                                                                                                  |
| Algeria          | Société Algérienne d’Hépato-gastro-entérologie et d’Endoscopie digestive | Yes         | March 15, 2020          | https://sahgeed.com/upload/COVID-19-SAHEED.pdf                                                  |
| Egypt            | Egyptian Association for Research and Training in Hepatogastroenterology | No           | Not available           |                                                                                                  |
| Egypt            | Egyptian Association for the Study of Gastrointestinal and Liver Disease | No           | Not available           |                                                                                                  |
| Morocco          | Société Marocaine des Maladies de l’Appareil Digestif    | No                                                  | Not available           |                                                                                                  |