

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.

Elsevier hereby grants permission to make all its COVID-19-related research that is available on the COVID-19 resource centre - including this research content - immediately available in PubMed Central and other publicly funded repositories, such as the WHO COVID database with rights for unrestricted research re-use and analyses in any form or by any means with acknowledgement of the original source. These permissions are granted for free by Elsevier for as long as the COVID-19 resource centre remains active.

Letters to the Editor

donations to the Dipartimento di Scienze Biomediche e Cliniche (DIBIC) of the University of Milan, and from Banca Mediolanum (https://www.bancamediolanum.it/) in the form of a donation to ASST Fatebenefratelli-Sacco, Milan. Mylan Italia S.p.A. donated the SARS-CoV-2 RICTs. The donations were used to cover the expenses related to personal protective equipment, materials, laboratory processing, and personnel costs. The funding sources played no role in designing the study, collecting or analysing the data, preparing the manuscript, or making the decision to publish the results.

Conflict of interest

AG has received consultancy fees from Mylan, and educational and grant support from Gilead. MG has received grants and fees for speaker bureaux, advisory boards and CME activities from BMS, ViiV, MSD, AbbVie, Gilead, Janssen and Roche. GP, FC and CB have nothing to declare.

Please refer to the accompanying ICMJE disclosure forms for further details.

Authors' contribution

All of the authors were involved in writing the manuscript, have approved the final version as submitted, and have agreed to be accountable for all aspects of the work.

Supplementary data

Supplementary data to this article can be found online at https://doi.org/10.1016/j.jhep.2020.12.026.

References

- Crespo J, Díaz-González Á, Iruzubieta P, Llerena S, Cabezas J. SARS-CoV-2 massive testing: a window of opportunity to catch up with HCV elimination. J Hepatol 2021;74:966–967.
- [2] Boettler T, Marjot T, Newsome PN, Mondelli MU, Maticic M, Cordero E, et al. Impact of COVID-19 on the care of patients with liver disease: EASL-ESCMID position paper after 6 months of the pandemic. JHEP Rep 2020;2:100169. https://doi.org/10.1016/j.jhepr.2020.100169.
- [3] Pollán M, Pérez-Gómez B, Pastor-Barriuso R, Oteo J, Hernán MA, Pérez-Olmeda M, et al. Prevalence of SARS-CoV-2 in Spain (ENE-COVID): a nationwide, population-based seroepidemiological study. Lancet

2020;396(10250):535–544. 31483-5. https://doi.org/10.1016/S0140-6736(20)

- [4] Pagani G, Conti F, Giacomelli A, Bernacchia D, Rondanin R, Prina A, et al. Seroprevalence of SARS-CoV-2 significantly varies with age: preliminary results from a mass population screening. J Infect 2020. https://doi.org/10. 1016/j.jinf.2020.09.021 [published online ahead of print, 2020 Sep 19] S0163-4453(20)30629-0.
- [5] Gower E, Estes C, Blach S, Razavi-Shearer K, Razavi H. Global epidemiology and genotype distribution of the hepatitis C virus infection. J Hepatol 2014;61(1 Suppl):S45–S57.
- [6] Campello C, Poli A, Dal MG, Besozzi-Valentini F. Seroprevalence, viremia and genotype distribution of hepatitis C virus: a community-based population study in northern Italy. Infection 2002;30:7–12.
- [7] European Union HCV Collaborators. Hepatitis C virus prevalence and level of intervention required to achieve the WHO targets for elimination in the European Union by 2030: a modelling study. Lancet Gastroenterol Hepatol 2017;2:325–336.
- [8] Gao F, Talbot EA, Loring CH, Power JJ, Dionne-Odom J, Alroy-Preis S, et al. Performance of the OraQuick HCV rapid antibody test for screening exposed patients in a hepatitis C outbreak investigation. J Clin Microbiol 2014;52(7):2650–2652.
- [9] Toyoda H, Kumada T, Kiriyama S, Sone Y, Tanikawa M, Hisanaga Y, et al. Changes in hepatitis C virus (HCV) antibody status in patients with chronic hepatitis C after eradication of HCV infection by interferon therapy. Clin Infect Dis 2005;40(6):e49–e54.
- [10] Combating hepatitis B and C to reach elimination by 2030. WHO Advocacy brief. May 2016. https://www.who.int/hepatitis/publications/hepelimination-by-2030-brief/en/. [Accessed 28 November 2020].

Andrea Giacomelli^{1,2,*} Gabriele Pagani^{1,2} Federico Conti^{1,2}

Cinzia Bassoli^{1,2} Massimo Galli^{1,2}

¹Department of Infectious Diseases, ASST Fatebenefratelli-Sacco, Luigi Sacco University Hospital, Milan, Italy

²Luigi Sacco Department of Biomedical and Clinical Sciences DIBIC, Università degli Studi di Milano, Italy

^{*}Corresponding author. Address: Luigi Sacco DIBIC, Università degli Studi di Milano, III Infectious Diseases Unit, L. Sacco Hospital, Via G.B. Grassi 74, 20157 Milano, Italy, Tel.: +39.02.50319761, fax +39.02.50319758.

E-mail address: andrea.giacomelli@unimi.it (A. Giacomelli)



HCV detection is possible during SARS CoV-2 testing; and throughout COVID-19 vaccination?

To the Editor:

Despite notable advances in the diagnosis and treatment of hepatitis C, it remains a substantial health problem. In the absence of an effective vaccine, the key elements for HCV elimination are the reduction of risk behaviors, a wide availability of HCV screening tests and unrestricted access to treatment.¹

https://doi.org/10.1016/j.jhep.2021.04.043

Unfortunately, the COVID-19 pandemic has made access to diagnosis and linkage to care extremely difficult, comprising a potential barrier that could prevent us from achieving HCV elimination, as recently demonstrated.² However, all crises bring opportunities, and linking HCV screening to SARS-CoV-2 management throughout the screening or vaccination processes may be one of them.³

In this regard, we read in detail the pilot project run by Giacomelli *et al.* in the North of Italy, wherein they took advantage of the painful COVID-19 situation.⁴ Giacomelli *et al.*'s study was designed to follow an opt-in protocol. This design may be

Keywords: HCV; COVID-19; SARS-CoV-2; elimination; massive test; screening; vaccine.

Received 2 March 2021; received in revised form 26 April 2021; accepted 28 April 2021; available online 7 May 2021



affected by low/moderate engagement, as was observed in their project, with an engagement rate of below 50%. Nevertheless, they reported that half of those who tested positive were unaware of their viral status. On the other hand, considering that social and health characteristics may vary across different geographical areas, the opt-out screening approach is also a useful alternative that has been proven to be successful and cost-effective.⁵ Thus, strategies such as healthcare-associated electronic alerts or even automatic referrals for positive cases are very likely to provide an adequate linkage to care.⁶

However, the usefulness of this new model in terms of improving healthcare access must be prospectively evaluated. In this regard, some items that must be clearly evaluated are both the acceptance and compliance of the pre-established follow-up schedule, as well as the degree of satisfaction. None of these relevant issues were reported in the work by Giacomelli *et al.*

Financial support

The authors received no financial support to produce this manuscript.

Conflict of interests

The authors declare no conflicts of interest that pertain to this work.

Please refer to the accompanying ICMJE disclosure forms for further details.

Authors' contributions

All authors contributed equally.

Supplementary data

Supplementary data to this article can be found online at https://doi.org/10.1016/j.jhep.2021.04.043.

References

- Martinez I, Ryan P, Valencia J, Resino S. The challenging road to hepatitis C virus eradication. J Clin Med 2021;10.
- [2] Buti M, Dominguez-Hernandez R, Casado MA. Impact of the COVID-19 pandemic on HCV elimination in Spain. J Hepatol 2021;74(5):1246–1248.
- [3] Crespo J, Diaz-Gonzalez A, Iruzubieta P, Llerena S, Cabezas J. SARS-CoV-2 massive testing: a window of opportunity to catch up with HCV elimination. J Hepatol 2021;74(4):966–967.
- [4] Giacomelli A, Pagani G, Conti F, Bassoli C, Galli M. Detecting HCV infection by means of mass population SARS-CoV-2 screening: a pilot experience in Northern Italy. J Hepatol 2021;75(2):484–486.
- [5] Williams J, Vickerman P, Douthwaite S, Nebbia G, Hunter L, Wong T, et al. An economic evaluation of the cost-effectiveness of opt-out hepatitis B and hepatitis C testing in an emergency department setting in the United Kingdom. Value in health : the. J Int Soc Pharmacoeconomics Outcomes Res 2020;23:1003–1011.
- [6] Crespo J, Tejerina Puente A, Cuadrado A, Llerena S, Cabezas J. Grupo de Trabajo para la Eliminacion de la Hepatitis C en Cantabria. Strategy for the Elimination of Hepatitis C in Cantabria. Rev Esp Enferm Dig 2020;112:565– 570.

Javier Crespo^{1,2,3} Álvaro Díaz-González^{1,2}

Joaquín Cabezas^{1,2,*}

¹Gastroenterology and Hepatology Department. Marqués de Valdecilla University Hospital, Santander, Spain

²Research Institute Valdecilla (IDIVAL), Santander, Spain

³School of Medicine, University of Cantabria, Santander, Spain

^{*}Corresponding author. Address: Gastroenterology and Hepatology Department, Marques de Valdecilla University Hospital, Research

Institute Valdecilla (IDIVAL), Avda. de Valdecilla s/n. Santander 39008. Cantabria. Spain; Tel.: +34 942 20 25 20, fax: +34 942 20 25

44.

E-mail address: joaquin.cabezas@scsalud.es (J. Cabezas)



Freiburg index of post-TIPS survival (FIPS) a valid prognostic score in patients with cirrhosis but also an advisor against TIPS?

To the Editor:

With great interest we read the excellent article by Bettinger and colleagues. In their well-designed study the authors proposed the newly developed Freiburg index of post-TIPS survival (FIPS) as a valuable tool for risk stratification before transjugular intrahepatic portosystemic shunt (TIPS) implantation.¹ The establishment of robust criteria for the selection of patients eligible for TIPS is crucial. Bettinger *et al.* collected a large, multicenter TIPS cohort and convincingly demonstrated the high prognostic capacity of the FIPS score for post-TIPS survival in various subgroups of patients including those with refractory ascites. However, a control

Keywords: Transjugular intrahepatic portosystemic shunt; cirrhosis; portal hypertension; risk stratification; FIPS; Freiburg index of post-TIPS survival.

Received 15 February 2021; received in revised form 25 February 2021; accepted 28 February 2021; available online 12 March 2021 https://doi.org/10.1016/j.jhep.2021.02.031 group consisting of patients with refractory ascites, who were treated with paracentesis instead of TIPS, was not included. The FIPS score consists of age as well as bilirubin, creatinine and albumin, which are all well-known parameters associated with survival in patients with advanced liver disease. Thus, it remains unclear whether the FIPS score is specific for post-TIPS survival or rather predicts outcome in patients with decompensated cirrhosis in general. Moreover, because of the lack of a control group it is not possible to conclude whether TIPS insertion itself has any impact (beneficial or adverse) on survival in patients with high or low FIPS scores. As a result, it remains uncertain to what extent FIPS scores can help to select patients for TIPS.

We aimed to address these remaining questions by using 2 different patient cohorts from Hannover Medical School, the Hannover TIPS cohort and the Hannover Ascites cohort. The Hannover TIPS cohort currently consists of 256 patients with