

Provider Gaps in Key Areas of Contemporary Viral Hepatitis Management and the Value of Targeted Education

CLINICAL CARE OPTIONS[®] HEPATITIS

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Background

Best practices in the management of viral hepatitis have undergone significant changes in recent years, challenging healthcare providers (HCPs) to keep up with an evolving standard of care. Evidence suggests that many HCPs do not rapidly incorporate new data and recommendations into their management approaches for viral hepatitis.

This study evaluated data from a series of educational activities to determine knowledge and competence gaps for HCPs in key areas of contemporary viral hepatitis management. In addition, the value of timely, expert-led educational interventions in closing these gaps was evaluated

Methods

In this study, we analyzed baseline knowledge and subsequent learning in HCPs who participated in a series of live, expert-led educational webinars that occurred between October 2017 and January 2018 on topics relevant to contemporary management of viral hepatitis, including first-line HCV therapy, retreatment following DAA failure, post-SVR surveillance and management, and HBV therapy.

For each webinar, participants were asked a case-based, multiple-choice competence question based on the learning objective for the program at the following stages: immediately prior to the live meeting (baseline), immediately following the informing content during the live meeting (post content), and via email following educational reinforcements (a summary email and link to an expert-authored, case-based commentary), which concluded approximately 2 months after the live meeting (follow-up). We analyzed responses of participating HCPs at each stage to determine knowledge gaps and the impact of educational interventions.

Topic 1: First-line HCV Therapy

Case: 53-year-old white man newly diagnosed with GT1a HCV infection, F3 fibrosis, HCV RNA 7,640,000 IU/mL Question: Based on the current AASLD/IDSA recommendations, which regimen would you recommend for 8 weeks?



10/2017. Additional postcontent responses: GZR/EBR, 1%; SOF/LDV, 2%; SOF/VEL Date of webinars: 1%; unsure, 1%

Stage		
Baseline	:	Only 32% se 27% would u duration for t 28% would n and guideline
Post Content	•	Significant i 13% still wou preference o

SOF/VEL: F3 fibrosis

Question: Based on the current AASLD/IDSA and EASL recommendations, how would you screen this patient for HCC?





Date of webinars: 1/2018. Additional postcontent responses: CT scan every 6 months, 5%; CT scan every 12 months, 4%; ultrasound every 12 months, 3%; no further HCC screening, 3%; unsure, 1%.

Stage		
Baseline	•	Almost one l recommende 9% would no
Post Content	:	Significant i 9% would re

Participant Demographics

Results

1495 learners attended a live webinar



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Results

Gaps in Provider Knowledge and Impact of Live Education

Notable Findings

elected the optimal 8-week therapy for this patient

- se an 8-week course of regimens not recommended at that his type of patient
- ot recommend an 8-week regimen for this patient despite eligibility
- ovement in optimal answer from baseline (P < .0001) uld not recommend 8-week therapy, suggesting possible ingrained need for further education

Topic 3: HCC Screening After SVR

Case: 59-year-old white man with GT1a HCV; achieved SVR12 with 12-week

Notable Findings

half of respondents were unable to identify the guidelineed screening interval/modality for the case patient ot offer further screening for this patient

improvement in optimal answer from baseline (*P* < .0001) commend CT scans instead of ultrasound



Stage	Notable Findings
Baseline	 Almost one half of respondents were unable to s recommended treatment regimen for the case pa 17% selected a GLE/PIB-based regimen, althoug alternative recommendation of the AASLD/IDSA 23% selected a regimen that included RBV
Post Content	 Significant improvement in optimal answer from 11% would continue to recommend the addition of



Date of webinars: 4/2018. Additional baseline responses: adefovir, 0%; lamivudine, 2%; peginterferon, 1%. Additional postcontent responses: adefovir, 0%; lamivudine, 0%; peginterferon, 2%; TDF, 4%; unsure, 1%.

Stage	Notable Findings
Baseline	 34% did not select optimal therapy for this patient 12% would select TDF for a patient with decreased renal function Twice as many chose TAF vs entecavir
Post Content	 Significant improvement in optimal answer from baseline (P < The predominant shift was away from a choice of Unsure or TDF selection of TAF (+21%)



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- Clear practice gaps were observed in numerous key areas of contemporary viral hepatitis management; these included the use of recently approved HCV treatment regimens and HCC screening in patients with HCV who achieved SVR
- Live education was effective in improving learners' treatment intentions assessed through case vignettes



m baseline (*P* < .0001) Jnsure or TDF toward the

TAF

66%

Entecavir

27%