

An Innovative Telemedicine Platform to Provide Expert Access to Patients with Chronic Lymphocytic Leukemia (CLL)

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BACKGROUND & INTRODUCTION

Background about CLL in Care in 2019

- Expert care can improve outcomes for CLL patients (pts).
- CLL treatment has rapidly changed over the past several years, making it challenging for healthcare providers (HCP) to keep pace with new therapies.
- Telemedicine can provide HIPAA-compliant access to experts.
- Many patients do not have access to CLL experts due to geography, insurance, or cost.
- The nonprofit CLL Society, working with 10 CLL experts and using a platform from an online 2nd opinion service (InfiniteMD), coordinated 105 telemedicine consults in 2017-19 as part of a free Expert Access Program (EAP).
- Here we report the impact of this service on a nationwide underserved CLL population.

OBJECTIVES

- To establish feasibility of telemedicine (EAP) approach in CLL care and assess receptiveness of patients to online tools and telemedicine consults
- To conduct preliminary assessment whether telemedicine (EAP) consulting service impacts decision making in CLL care
- To identify potential gaps and barriers to EAP consulting service

METHODS

Study Design

• The EAP application was available online at CLLSociety.org with links on CLL forums and in weekly alerts sent to >5000 pts. It was promoted at CLL Society patient educational forums and 28 support groups.

Inclusion criteria

• To qualify for EAP, participants needed to be US residents who had a CLL diagnosis but weren't seeing an expert physician (defined as a nationally recognized CLL research physician who primarily cares for CLL pts)

Survey Recruitment

- Pts meeting inclusion criteria were asked to complete a pre-consult survey and had their electronic records synopsized for review by the consulting expert.
- Pts participated in a 30-minute online HIPAA-compliant video consult with the CLL expert.
- Following the consult, pts received a summary to share with their local HCP
- Pts completed a (post-) survey.

Statistical Analysis

- Answers in individual surveys were cross checked for validity.
- Data were analyzed using descriptive statistics and Clopper-Pearson confidence intervals.

Additional information about the EAP program at https://cllsociety.org/cll-society-expert-access



ABOUT THE CLL SOCIETY, INC.

The CLL Society Inc. is a 4 year old USA-based 501(c)3 nonprofit with a global reach. It is focused on patient education, support, advocacy and research to address the unmet needs of the CLL community through:

- The CLL Society website <u>https://cllsociety.org</u> contains up-to-date, accurate and patient-friendly information.
- The CLL Tribune, a quarterly online newsletter with patient, physician and related experts as authors. • Launching and supporting .30 CLL-specific local patient support and education groups and hosting live educational
- forums on 3 different continents. • Providing free virtual Expert Access[™] to CLL experts to patients who would otherwise have no other such access.
- Providing free CLL Society Educational Toolkit to HCPs to aid in educating their patients.
- Surveying CLL patients and caregivers to inform patients and HCP about the patients' and caregivers' perspective.

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 RESULTS Survey Response Rate: 116 patients registered 100% filled out pre-consult survey 105 pts. (90.5%) 105 had the EAP consult 84 pts. (72.4%) finished the post survey Reasons patients didn't complete the EAP consult (n=11) Patient was able to see an expert in person Patient was unresponsive to email/phone calls to schedule Patient missed scheduled call and did not respond to rescheduling Patient wanted to wait until a later date, but never re-applied/was not responsive to emails/phone call to apply 	RESULTS What Participal 0% Learned something new from their EAP physician Learned about a prognostic test they previously had not undergone Believed their diagnosis and/or CLL stage should be re-evaluated
Effect of EAP consult on future care plans 25% 6 Plans to make changes regarding their disease treament 9 Does not plan to make any changes regarding their disease treatment	"I was glad to get a 2nd opinion from a CLL specialist video/phone appointment. My doctor contacted me expert's summary and went over all of the recommen- one of the recommen- one of the recommen- one of the recommen- our of the recommen- our interview was especially timely, since I was my local hometown oncologist. As it turned out, I was test. My IGVH status is unmutated, so I began takin role in my journey with CLL and I wanted y impact you had
Participant Intended Future Action Post-EAP 0% 20% 40% 60% 80% Would consider a clinical Trial Planned to do more research about CLL Planned to have more tests done Planned to see a new doctor Planned to pursue additional genetic testing Planned to pursue a different treatment Planned to delay treatment Attributed to the set of th	 Study Limitations: 21 of the 105 pts who had a consult did not possibility of reporting bias if those who faile negative experience. Differences in the exact wording between the statistical analysis. Going forward we are us our surveys for data collection so any future of EAP. The revised intake will gather more demogrational data collections.
95% of participants affirmed that the convenience of the online platform was important in their decision to participate in EAP	 Access to CLL experts through EAP provided improved confidence in a patient's current He 75% of pts (95% CI: 64% - 84%) planned to management. An online consult with an expert may benefit their local HCP and in their knowledge of CL This study is expanded and includes collection harmonization of pre- and post-questionnaire



83% of participants felt a greater peace of mind following their EAP call





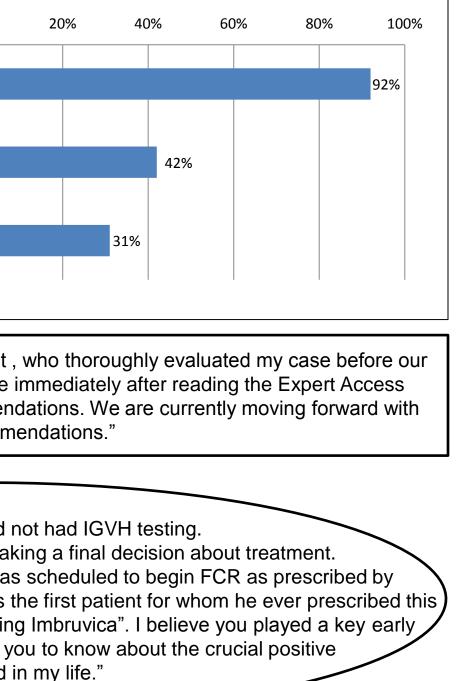
We thank the pts who took the initiative to try to improve their own care, the expert doctors who participated, InfiniteMD, an online second opinion service that uses live, synchronous video technology to match patients around the world with top medical specialists, for providing the platform, and Verastem Oncology for helping *initiate and support EAP.*

For questions or comments, please contact <u>research@cllsociety.org</u>









complete the post-survey, raising the ed to follow-up did so because of a

ne pre and post surveys limited the sing identical pre and post questions in results will directly measure the impact

raphics including treatment status.

ed important medical information and ICP. make changes regarding their CLL

pts by both increasing their confidence in L, while motivating them to act. ion of additional medical data as well as es

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