CLOSING THE GAP: REFOCUSING OUR CARE TO CONNECT HIV/HCV COINFECTED PATIENTS WITH HCV ANTIVIRAL THERAPY



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Background

 One-quarter of HIV-positive patients are co-infected with hepatitis C (HCV).1

Gender

Female

Ethnicity

Hispanic

4A/C/D

(figure 3).

Patients on ART

Average Abs. CD4 T cell

Viral loads <400 copies/ml

<u>Table 1</u>: Study population demographics

Patients Not Referred for Therapy

Figure 2: Nine (21%) patients refused HCV therapy due to desires

to initiate newer therapies that were soon to become available.

Nine (21%) patients had no specific documentation describing

why they had not been referred for treatment. Only one patient

was lost to follow-up. The majority (55.8%) had contraindications

Figure 4: Out of the 15 patients who died during the

study period, six (40%) patients were found to have

death-related causes directly attributable to liver failure.

96%

484 cells/μl

Not referred for HCV therapy

Contraindication to therapy

Refused HCV therapy

Lost to follow up

- Studies show HIV accelerates the progression of HCV. These patients experience poorer health outcomes compared to mono-infected patients.^{1,2}
- Co-infection increases AIDS-related, liver-related, and non-AIDS-related death rates.3
- Interferon (IFN)-based therapy may be deferred by many patients due to adverse drug reactions and ineligibility.
- Contemporary (interferon sparing) regimens have provided greater inclusion criteria, tolerance, and therapeutic response.

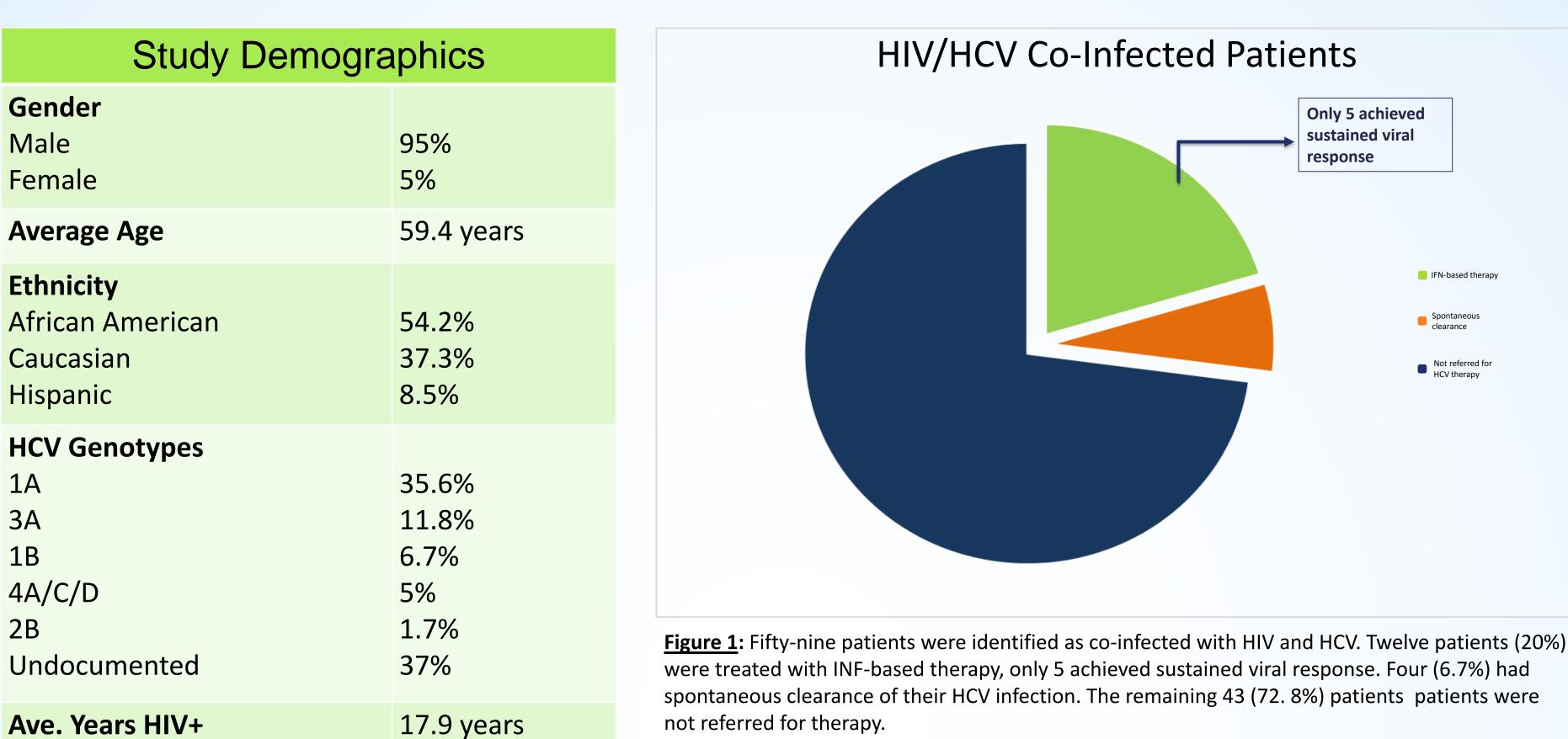
Project Aims

The objectives of this study were to:

- -1. Determine the total number of HIV/HCV co-infected patients in a select outpatient population
- -2. Assess the number of HIV-infected individuals who did not receive therapy for HCV and the reasoning behind such

outpatient HIV patients was conducted from 2004-2014 using ICD-9 codes for HIV (042, V08) and HCV (070.4-070.9) at the Stratton VAMC. Data collected included population sociodemographics, HIV biomarkers, HCV therapy outcomes if previously treated, comorbidities, and cause of death.

Results

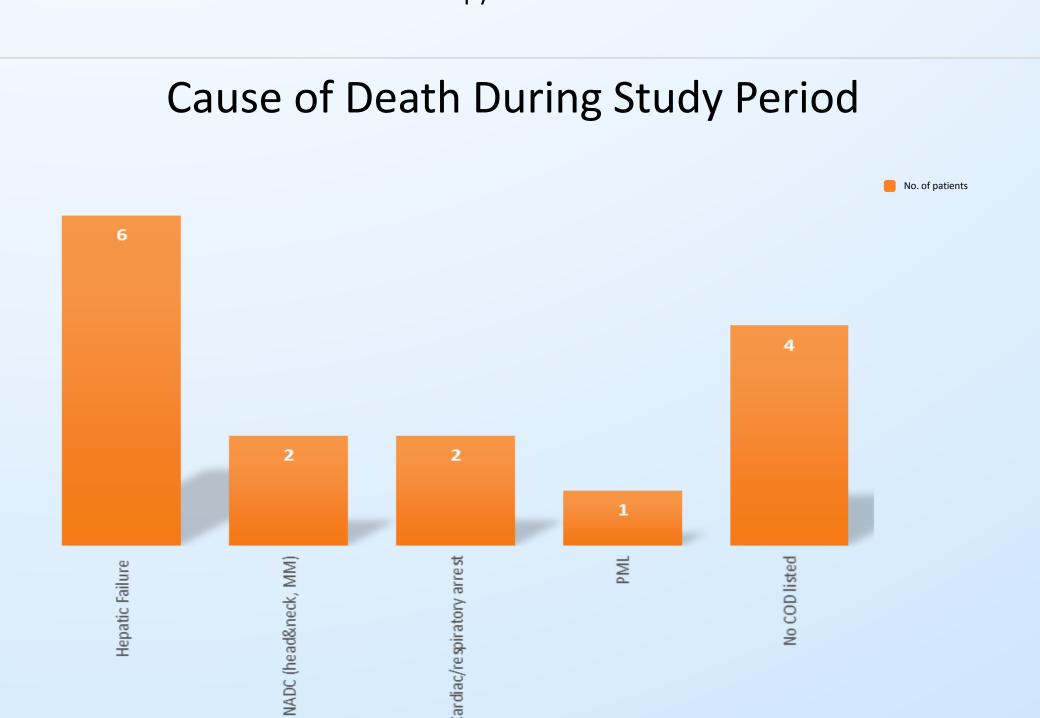


spontaneous clearance of their HCV infection. The remaining 43 (72.8%) patients patients were

Contraindications to IFN-Based HCV Therapy

No. of occurrences

Figure 3: Twenty-four (56%) of the patients not referred for therapy had either absolute contraindications (e.g. end-stage liver [3], malignancy [4], or severe psychiatric illnesses [8]) or relative contraindications (e.g. active drug or alcohol use [12], incarceration [2], lack of housing [2], and medical non-compliance [7]) to receiving IFN-based antiviral therapy. Several patients had more than one contraindication to HCV therapy.



Conclusions

- The majority of patients in our population were not referred for HCV therapy based on reported contraindications to IFNbased regimens. Even in those who did receive an IFN-based regimen, success rates were suboptimal.
- most common reasons for non referral in this select co-infected HIV/HCV population were substance abuse, mental illness and medical noncompliance. Overall health outcomes may have improved if there was a greater effort focusing on potential barriers to care such as early mental health intervention or early substance abuse intervention.
- Mortality associated with underlying liver disease could have perhaps been avoided with earlier treatment initiation.
- We expect that, coupled with improved response rates and reduced treatment duration with newer antiviral agents, the advent of these drugs will help facilitate a broader, more diverse patient population in gaining access to treatment.

References

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Methods

A retrospective medical chart review on