

# Dermatologic care in inflammatory bowel disease patients is associated with biologic exposure

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#### BACKGROUND

- Inflammatory bowel disease (IBD) is a collection of chronic, immune mediated disorders of the gastrointestinal tract associated with high morbidity and poor quality of life.
- IBD is often complicated by dermatologic extraintestinal manifestations. New data suggests dermatologic conditions in IBD may be related to medication exposures.

# SPECIFIC AIM

- 1. To characterize frequency and reasons for dermatologic care in IBD patients.
- 2. Identify IBD disease characteristics associated with dermatologic care.

# **METHODS**

# <u>Subjects</u>

- IBD patient registry: electronic health record data temporally organized from 2009-2015
- Patients categorized by dermatology utilization
- 1 case (dermatology): 2 randomly selected controls
- At least 2 years follow up in IBD registry

# Measures

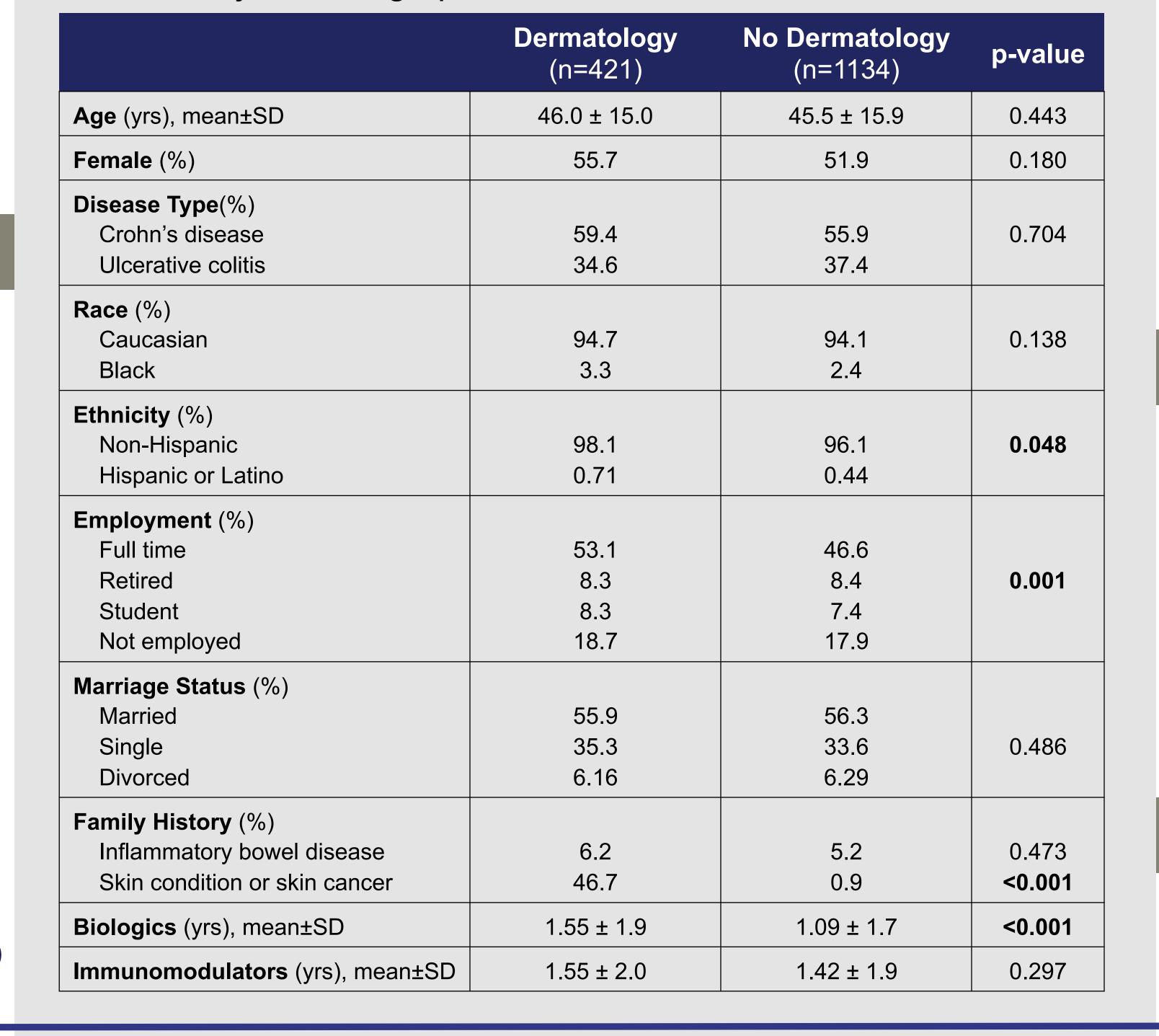
- Patient demographics
- IBD prescriptions (biologics, immunomodulators)
- Patient reported metrics, 2010 2015 average
  - IBD health related quality of life (SIBDQ)
  - Ulcerative colitis activity index (UCAI)
  - Crohn's disease activity, Harvey Bradshaw Index (HBI)

# Derm 18.6% Other 62.5%

RESULTS

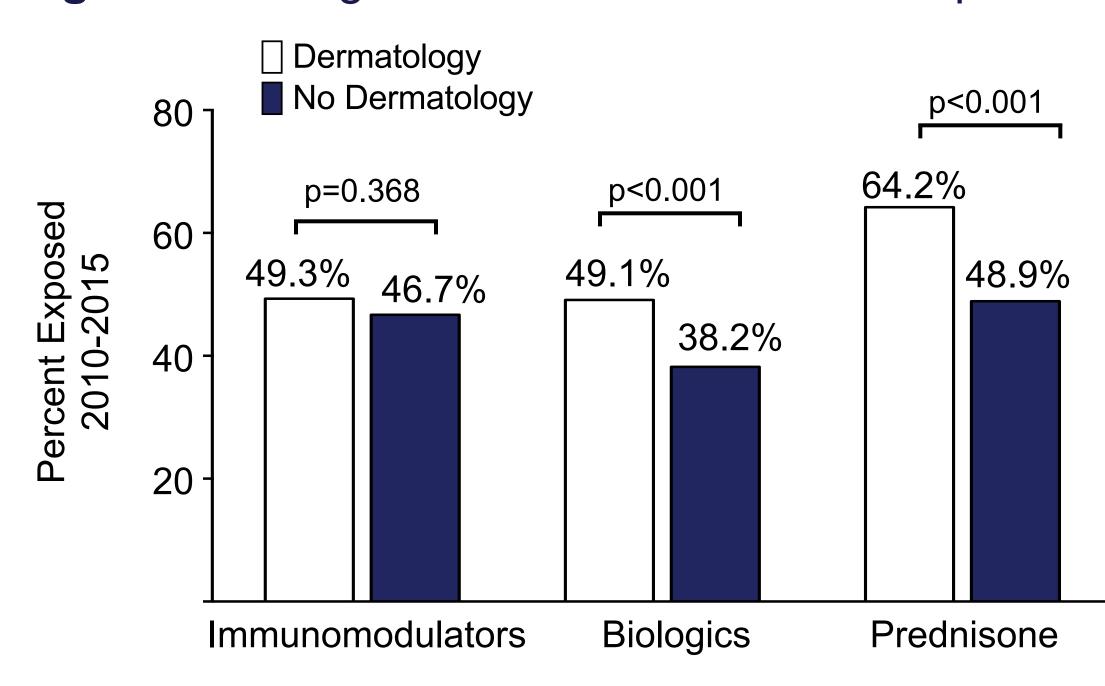


Table 1. Subject demographics and IBD characteristics



RESULTS

Figure 2. Biologic and immunomodulator exposure



**Table 2.** IBD quality of life and disease activity 2010-15

	Dermatology	No Dermatology	p-value
<b>SIBDQ</b> , n=1385	52.0 ± 10.8	52.0 ± 11.5	0.725
<b>HBI</b> , n=1039	4.2 ± 4.1	4.1 ± 4.5	0.201
<b>UCAI</b> , n=597	$3.8 \pm 4.0$	3.9 ± 4.4	0.874

# CONCLUSIONS

- Approximately 18% of patients saw a dermatologist at least one time over the 5 year study period.
- The most prevalent dermatology visit diagnosis was contact dermatitis.
- Exposure to biologic medications and systemic prednisone, but not immunomodulators, was associated with dermatology care.

# ACKNOWLEDGMENTS

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