### CANADIAN/US INTEGRATIVE ONCOLOGY STUDY (CUSIOS): PROTOCOL AND STUDY STATUS D. Seely ND MSc<sup>1,2</sup>, L. Standish ND PhD<sup>3</sup>, L. Dale CCRP<sup>3</sup>, J. Ennis PhD<sup>1,2</sup>, E. McDonell ND<sup>1,2</sup>, E. Sweet ND MPH<sup>3</sup>, P. Chiang ND<sup>3</sup>, K. Ronnie CCRC<sup>3</sup>, F. Dowd<sup>3</sup>, N. McKinney ND<sup>4</sup>, G. Parmar ND<sup>5</sup>, E. Marsden ND<sup>6</sup>, M. Reid ND RAc<sup>7</sup>, D. Rubin ND<sup>8</sup>, P. Reilly ND<sup>9</sup>, M. Traub BD DHANP CCH<sup>10</sup>, E. Naydis ND LAc<sup>11</sup>

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### BACKGROUND

The Canadian/US Integrative Oncology Study (CUSIOS) is a prospective, observational study designed to document threeyear survival outcomes in late stage cancer patients receiving Advanced Integrative Oncology (AIO) care by experienced naturopathic doctors. Three sub-studies will evaluate healthrelated quality of life, cost-utilization, and the qualitative experience of AIO care in a subset of Canadian participants.

## **STUDY OBJECTIVES**

- 1. Measure survival of advanced stage breast, ovarian and pancreatic cancer patients who treatments
- 2. Describe AIO treatments recommended by naturopathic oncologists
- 3. Pilot the collection of health-related quality of life (HR-QOL) data
- 4. Evaluate cost of AIO care
- 5. Qualitatively describe the experience of AIO Care

# **STUDY SITES**

Clinic name	Location	Site Princip
	CANADIAN SITES	
Ottawa Integrative Cancer Centre	Ottawa, Ontario	Dugald Seely NI
Vital Victoria Naturopathic Clinic Ltd	Victoria, British Columbia	Neil McKinney I
Integrated Health Clinic Cancer Care Centre	Fort Langley, British Columbia	Gurdev Parmar
Marsden Centre for Excellence in Integrative Medicine	Maple, Ontario	Eric Marsden N
Health Source Integrative Medical Centre	Kitchener, Ontario	Michael Reid NI
	AMERICAN SITES	
Shelby Naturopathic Clinic	Seattle, Washington	Leanna Standisl FABNO
Naturopathic Specialists LLC	Scottsdale, Arizona	Dan Rubin ND, F
Salish Care Centre	Fife, Washington	Paul Reilly ND, L
Lokahi Health Centre	Kailua-Kona, Hawaii	Michael Traub N FABNO
Tree of Health Integrative Medicine	Woodenville, Washington	Eleonora Naydi
Red Cedar Wellness Center	Bellevue, Washington	Erin Sweet ND,

# METHODS

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bal Investigator

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LAc, FABNO

ND, DHANP, CCH,

lis ND, LAc, FABNO MPH, FABNO

Study design: Uncontrolled, prospe
Target sample size: 400 (minimum
cost analysis sub-studies)
Eligibility: Adults with confirmed st
cancer, stage III/IV pancreatic or ova
from a participating AIO clinic

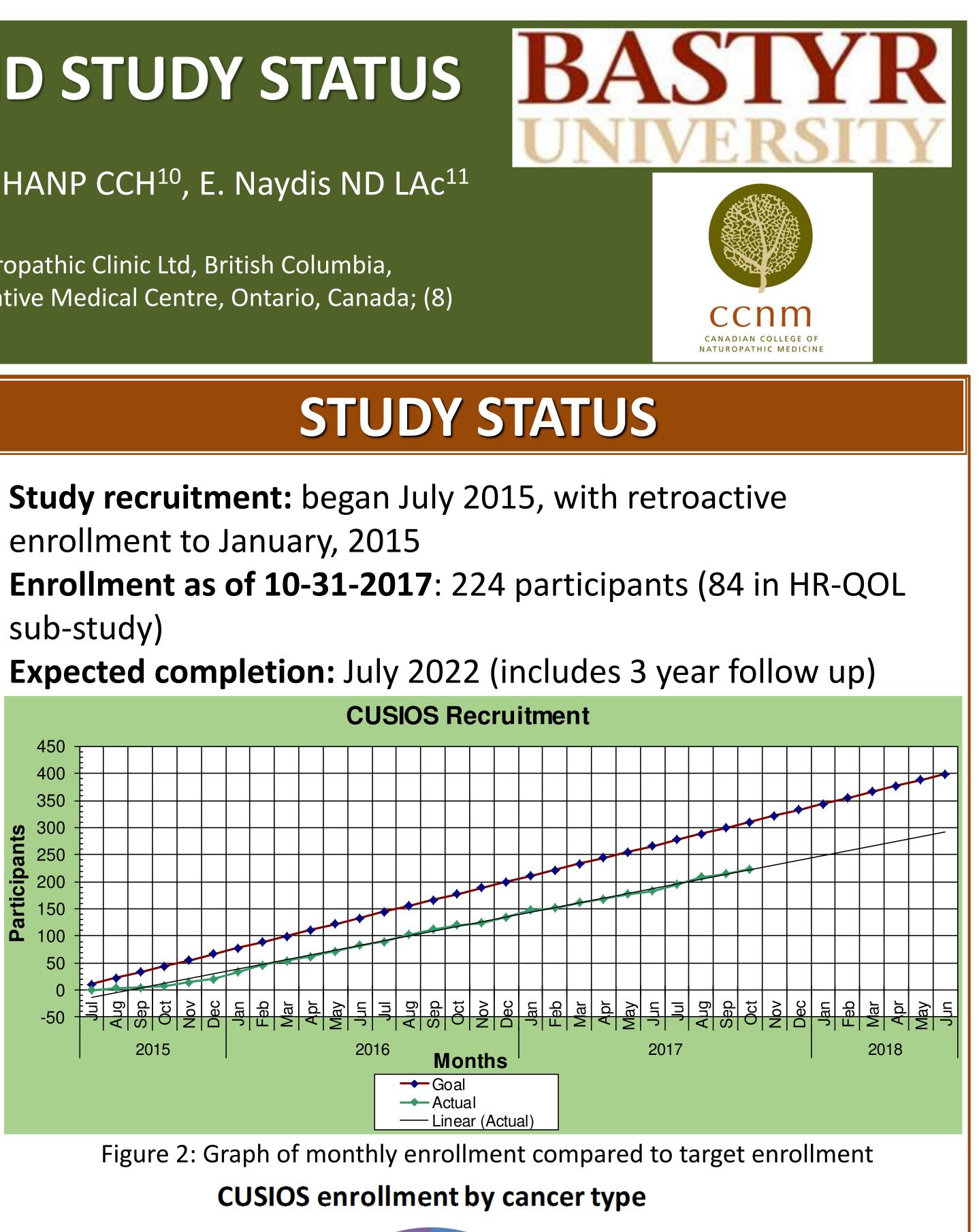
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tage IV breast or colorectal varian cancer receiving care

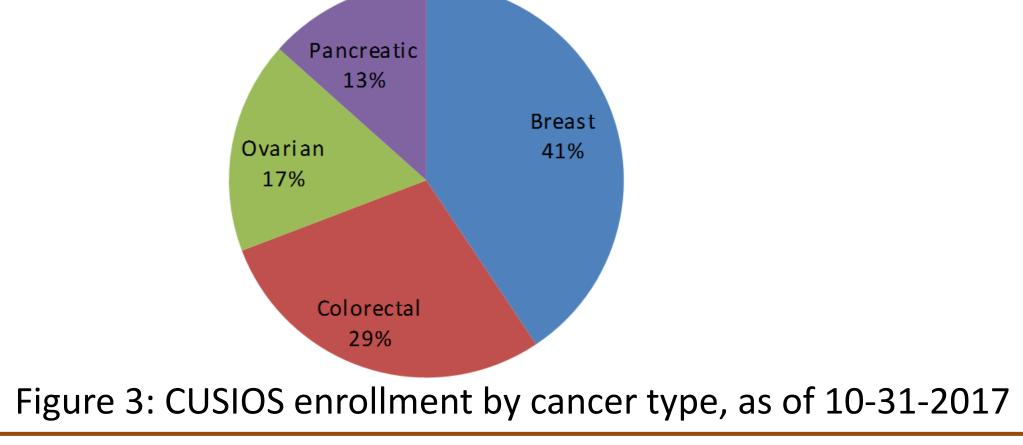
Hecht Wemorial Foundation



Ovariar 17%

- Initiate cost-analysis sub-study
- AIO care

This is the first multi-centre, prospective observational study evaluating survival outcomes for patients receiving advanced AIO care in North America. Findings from the study will inform the profession and public of the potential impact that AIO has on survival and quality of life. In addition, this research will provide a thorough description of the range of therapies provided by experienced naturopathic oncologists, cost utilization by patients, and a longitudinal analysis of patient experience.



# **NEXT STEPS**

Conduct qualitative interviews to describe the experience of

### SIGNIFICANCE