



A METAGENOMIC APPROACH TO DIAGNOSIS, INDUCTION AND MAINTENANCE OF DEEP REMISSION FOLLOWING EXCLUSIVE ENTERAL NUTRITION IN PEDIATRIC CROHN'S DISEASE: MAREEN-STUDY
NASPGHAN/CCFA YOUNG INVESTIGATOR DEVELOPMENT AWARD
2013-2015

JOHAN VAN LIMBERGEN MD FRCPC PhD

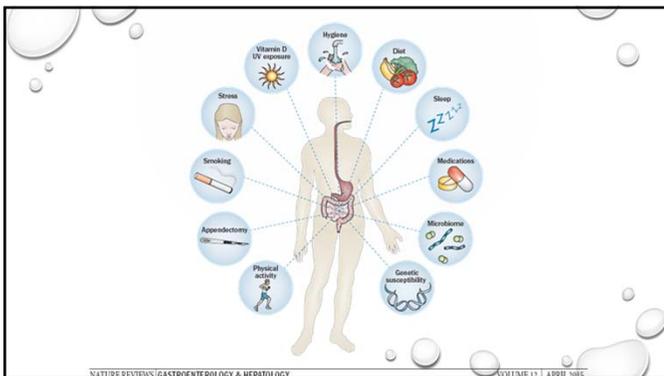


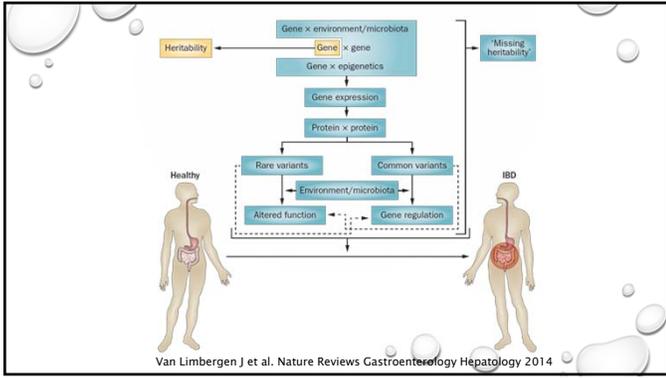
DISCLOSURE & FUNDING

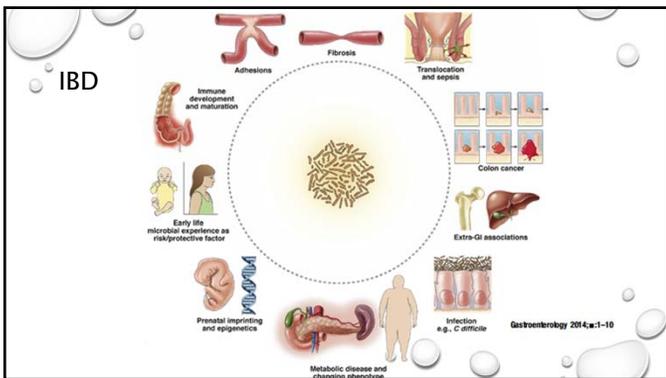
TRAVEL GRANTS / SPEAKER FEES / EDUCATIONAL + RESEARCH GRANT SUPPORT:

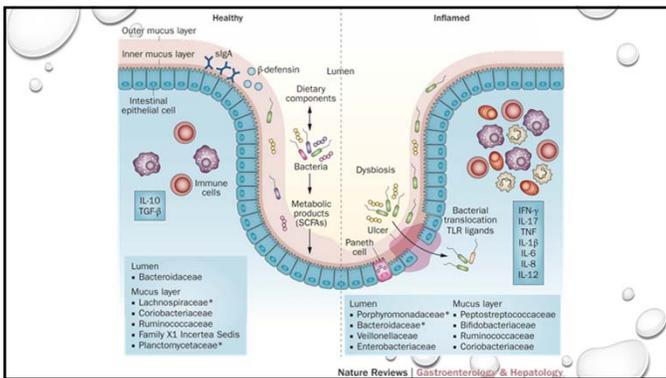
ABBVIE, APTALIS, JANSSEN, NESTLE, P&G, MERCK, SCHERING-PLOUGH

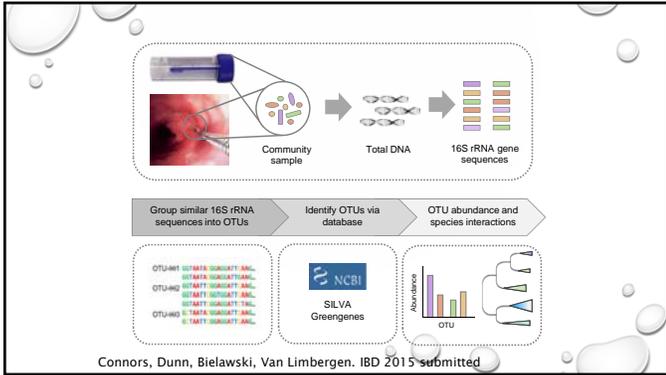


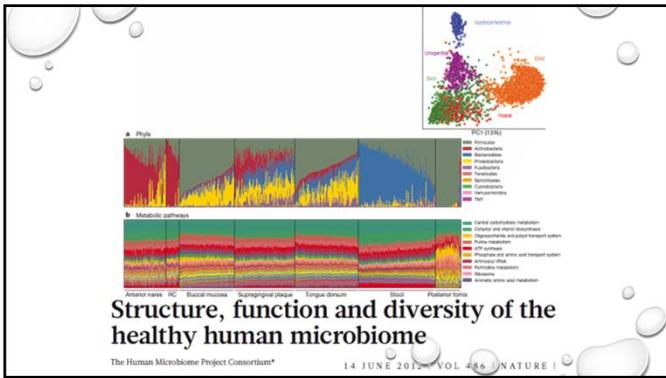


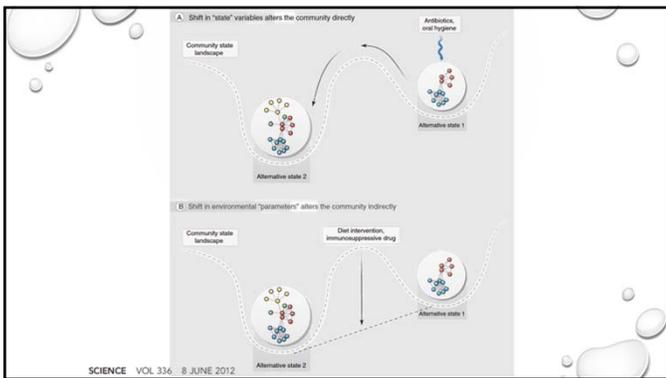










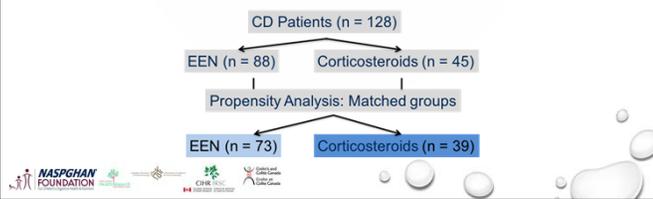


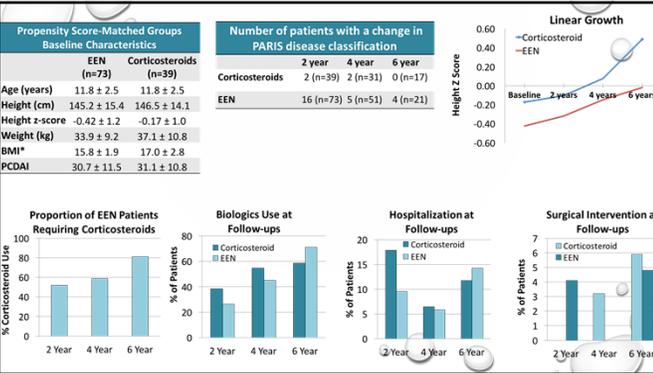
EEN VS NOT EATING...



EXCLUSIVE ENTERAL NUTRITION THERAPY IN PEDIATRIC CROHN'S DISEASE PATIENTS RESULTS IN LONG-TERM AVOIDANCE OF CORTICOSTEROIDS: RESULTS OF A PROPENSITY SCORE-MATCHED COHORT ANALYSIS

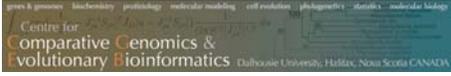
Sana Basseri¹, Jessica Connors², Amy Grant², Nick Giffin¹, Gamal Mahdi², Mohsin Rashid^{1,2}, Anthony Otley^{1,2}, Johan Van Limbergen^{1,2}





MAREEN

Metagenomic approach to CD
Diagnosis
Induction
Remission
Using EEN



nature publishing group

ORIGINAL CONTRIBUTIONS

The American Journal of GASTROENTEROLOGY

Open

Microbiota of *De-Novo* Pediatric IBD: Increased *Faecalibacterium Prausnitzii* and Reduced Bacterial Diversity in Crohn's But Not in Ulcerative Colitis

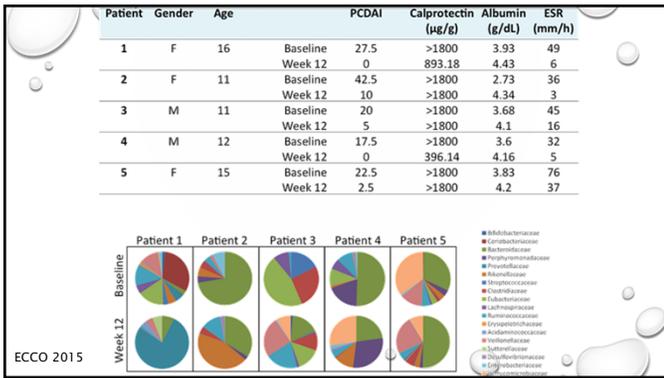
Richard Hanson, MBChB¹, Richard K. Russell, MBChB, PhD¹, Caroline Reiff, PhD¹, Petra Louis, PhD¹, Freda McIntosh, BSc¹, Susan H. Berry¹, Indrani Mukhopadhyay, PhD¹, W. Michael Bisset, MBChB, MD¹, Andy R. Barclay, MBChB, MD¹, Jon Bishop, MBChB¹, Diana M. Flynn, MBChB, PhD¹, Parag McGrogan, MBChB¹, Sabarnathan Loganathan, MBChB¹, Gamal Mahdi, MBChB¹, Harry J. Flint, PhD², Emad M. El-Omar, MBChB, MD¹ and Georgina L. Hold, PhD³

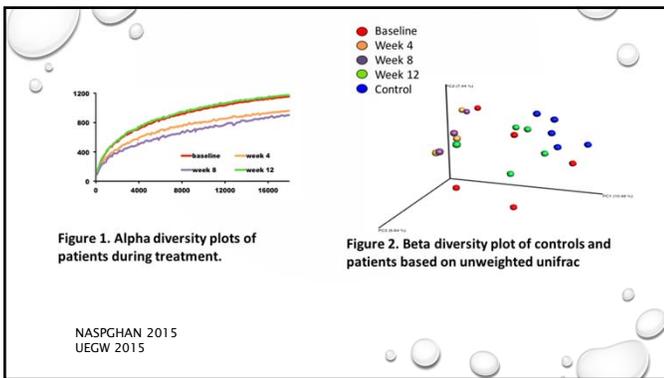
EEN BASELINE - 12 WEEKS

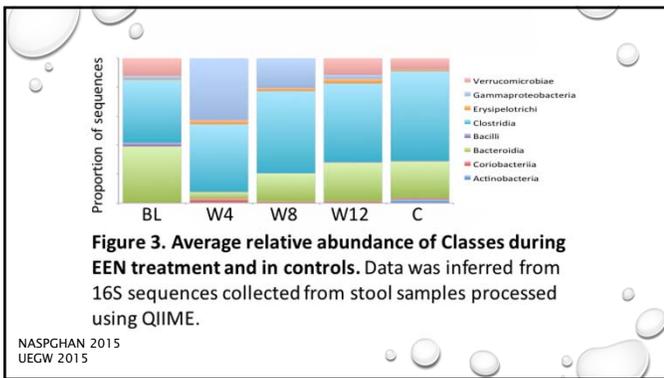
Clinical remission induced by exclusive enteral nutrition (EEN) in pediatric Crohn's disease is associated with community level changes in metabolic functions

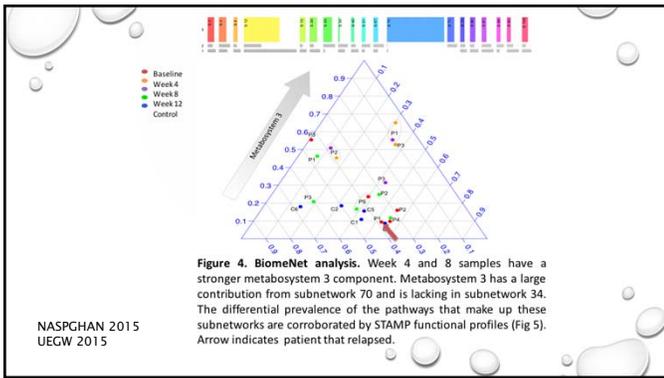
KA Dunn¹, J Connors¹, B McIntyre¹, A Stadnyk¹, G Mahdi¹, A Noble¹, M Rashid¹, N Thomas¹, JP Bielawski¹, AR Otley¹, J Van Limbergen^{1*}
¹Wick Health Centre, Dalhousie University, Pediatric Gastroenterology & Nutrition, Halifax, Canada, ²Dalhousie University, Biology, Halifax, Canada, ³Dalhousie University, Microbiology & Immunology, Halifax, Canada

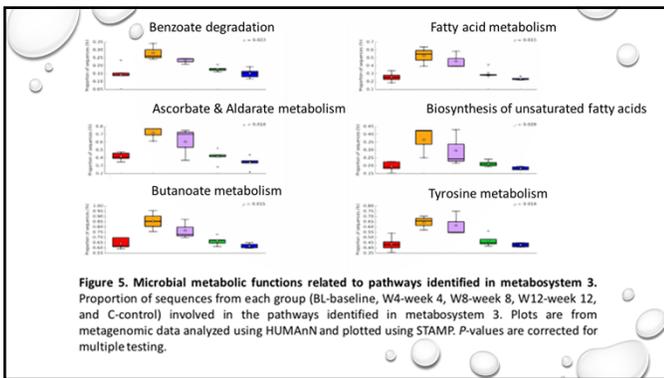
NASPGHAN 2015
UEGW 2015

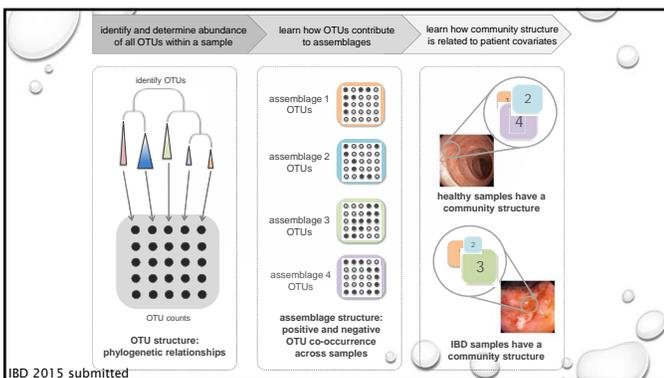


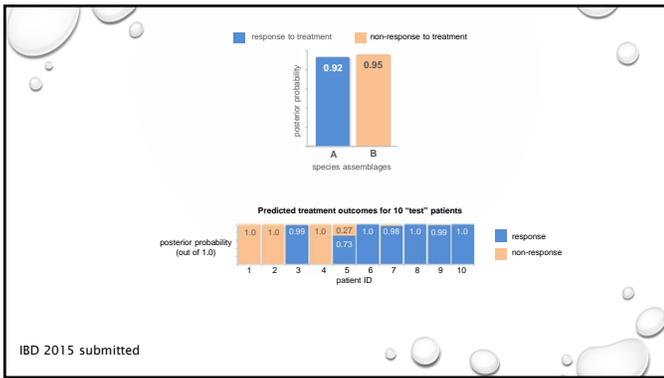












NEW APPROACHES TO EEN / PEN

ORIGINAL ARTICLE

Partial Enteral Nutrition with a Crohn's Disease Exclusion Diet Is Effective for Induction of Remission in Children and Young Adults with Crohn's Disease

Rotem Sigall-Boneh, RD, Tamar Pfeffer-Gik, RD,* Idit Segal, MD,* Tsili Zangen, MD,* Mona Soaz, RD, PhD,^{1,4} and Arie Levine, MD^{1,4}*

Inflamm Bowel Dis • Volume 20, Number 8, August 2014

SUMMARY

- BISCUIT-COHORT: WHOLE METAGENOME + WHOLE GENOME: ONGOING
- MAREEN - INDUCTION
- MAREEN - MAINTENANCE
- NEW FUNDING MADE POSSIBLE THROUGH NASPGHAN/CCFA GRANT

Jessica Connors
Amy Grant
Brad MacIntyre
Amanda Hood
Tony Otley
Mohsin Rashid
Gamal Mahdi
Angela Noble
Jennifer Jones
Barbara Currie
Kelly Phalen-Kelly
Jennifer Stewart
Don MacIntosh
Kevork Peltekian

THANK YOU

Heather Lomas
Sarah King
Sana Basseri
Leah Cahill
Shannan Grant
Jennifer Haskett
Lisa Parkinson-McGraw

Andy Stadyk
Hana James
Marlena Dlutek
John Rohde
Nikhil Thomas
Joseph Bielawski
Kathy Dunn
Eva Boon
Morgan Langille
Andre Comeau
Andrew Roger
Rob Beiko
Hong Gu
Tobias Kenney
Lihui Lin
Arie Levine
Rotem Sigall-Boneh