7th Biennial Conference

WHY STUDY MAMMOGRAPHIC DENSITY?

27-28 September 2022 | Melbourne | In-person and online

Conference Program

Day 1 – Tuesday, September 27th, 2022

10:30am: Meeting Open (Registration available)

Session 1

Chair: Kara Britt

11:00am: Acknowledgement of Country

11:05am: Conference Welcome – John Hopper

11:15am: Sue Malta, Community Representative: *Why Study Mammographic Density?*

11:25am: Helen Frazer: *To the power of BRAIx: Transforming screening with Artificial Intelligence*

11:45am: Jennifer Brooks: *Risk stratified screening in the Ontario Breast Screening Program: Utility of mammographic density*

12:10pm: Rebecca Spouge: *The Added Value of Supplemental Breast Ultrasound Screening for Women with Dense Breasts: A Single Centre Canadian Experience*

12:30pm: Lunch

Session 2

Chair: John Hopper

1:30pm: Jennifer Stone: *The distribution of breast density in women aged 18-97 using optical breast spectroscopy*

1:50pm: Konstantin Momot: *Portable Nuclear Magnetic Resonance for quantification of breast density in vivo: Proof-of-concept measurements and comparison with quantitative MRI*

2:10pm: Rik Thompson: *Bright – The new white in mammographic density-associated breast cancer risk*

2:30pm: Rachel Lloyd: *Alternative methods to measure breast density in younger women*

2:50pm: Michelle Reintals: *The BreastScreen South Australia Breast Density Reporting Trial*

3:10pm: Avisak Bhattacharjee: *Assessing women's knowledge about breast density*

3:30pm: Afternoon tea

Session 3

Chair: Jennifer Stone

4:00pm: Mads Neilson: An Artificial Intelligence–based Mammography Screening Protocol for Breast Cancer: Outcome and Radiologist Workload

4:30pm: John Hopper: *Artificial Intelligence, detecting breast cancers, and short-term risk of breast cancer*

5:00pm: Mikael Eriksson: *Long-term performance of an image-based short-term risk model for breast cancer*

5:20pm: Celeste Damiani: *Evaluation of an automated system to assess future breast cancer risk using mammograms at screening*

5:40pm: Tuong L. Nguyen: *Application of the Deep-Risk digital mammogram risk scores to predict young and familial breast cancer using digitised mammograms*

6:00pm: Dinner

Session 4

Chair: Gretchen Gierach

7:00pm: Per Hall: *Individualised prevention and screening of breast cancer: The Karma experience*

7:30pm: Maeve Mullooly: *Associations of breast cancer risk factors with volumetric breast density measures defined at increasing thresholds among women undergoing image-guided breast biopsy: preliminary results*

7:50pm: Jessica O'Driscoll: *Reproductive factors and mammographic breast density: A cross-sectional study using data from the International Consortium of Mammographic Density*

8:10pm: Said Pertuz: *Comparing radiomic analysis and deep learning for breast cancer risk assessment based on the computerized analysis of mammographic images*

8:20pm: Siobhan Freeney: *The Patient Effect, Changing the narrative around Breast Cancer Screening and Imaging*

8:30pm: Day 1 close

Session 5

Chair: Melissa Southey

9:00am: Weiva Sieh: *Understanding the genetic basis of mammographic density phenotypes*

9:30am: Hela Koka: *Mammographic density in relation to breast cancer risk factors among Chinese women*

9:50am: Andre Kahlil: *Quantitative Visualization of Healthy vs. Risky Mammographic Breast Density*

10:10am: Rulla Tamimi: *Changes in mammographic density and texture associated with high-dose vitamin D supplementation*

10:30: Morning Tea

Session 6

Chair: Rik Thompson

11:00am: Jason Northey: *Mechanosensitive hormone signaling promotes mammary progenitor expansion and breast cancer progression*

11:30am: Kara Britt and Wendy Ingman: *Biological studies of mammographic density open the door for new approaches to prevent breast cancer*

11:50am: Dane Cheasley: *High mammographic density is associated with increased tumour-promoting immune cells in breast cancer*

12:10pm: Honor Hugo: *The effect of Rho-kinase inhibition on mammographic density*

12:30pm: Lunch

Session 7

Chair: Wendy Ingman

1:30pm: Gretchen Gierach: *Relation of pre- and post-breast cancer diagnosis measures of mammographic breast density with contralateral breast cancer risk within a general community healthcare setting*

2:00pm: Shivaani Mariapun: *Genome-wide association study identifies common variants associated with mammographic density in Asian women*

2:20pm: Ellie Darcey: *Should breast screening programs routinely collect height and weight information?*

2:40pm: Panel Discussion: Why Study Mammographic Density?

Invited Panel Members:

Gretchen Gierach, Chief of the Integrative Tumor Epidemiology Branch, National Cancer Institute, USA
Shivaani Mariapun, Cancer Research Malaysia; PhD Candidate, University of Nottingham Malaysia
Lisa Daniela Vacarro, Consumer Scholarship Awardee
Jennifer Brooks, Dalla Lana School of Public Health, University of Toronto, Canada
John Hopper, School of Population Health, University of Melbourne
Rita Butera, CEO BreastScreen Victoria

3:30pm: Meeting Close