



UNIVERSITY OF ALBERTA
SCHOOL OF PUBLIC HEALTH



CIHR and Statistical Science

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The Project

- Risk prediction of late effects of cancer treatments with the goal to improve long term quality of life in childhood cancer survivors.
 - Outcome: age at menopause.
 - Why: female survivors have a much higher risk of early menopause than the non-cancer population.
 - Intervention: available but invasive, should be offered to survivors at high risk.

How did the project start

- Risk prediction methodology and its performance assessment
- Involvement with the Childhood Cancer Survivor Study
- Clinical Investigators
 - Topic of interest



How was the proposal developed

1. Assemble the research team
2. Develop the objectives with co-investigators
3. Review literature
4. Consult team members to fill in knowledge gap
5. Write proposal
6. Revise the proposal by repeating steps 3 and 4
7. Get inputs from co-investigators, improve on the proposal and repeat.

Objectives

- Risk prediction model development
- Accuracy assessment using internal test and external cohort data
- Simplification to generate risk scores for clinical use
- Web-based tool and mobile app



For Future Applicants

- The CIHR judgement criteria
 - The Need (quality of the idea 25% and the importance of the idea 25%)
 - Approach (25%)
 - Expertise, experience and resources (25%)
- The research team
- Knowledge translation
- New investigators

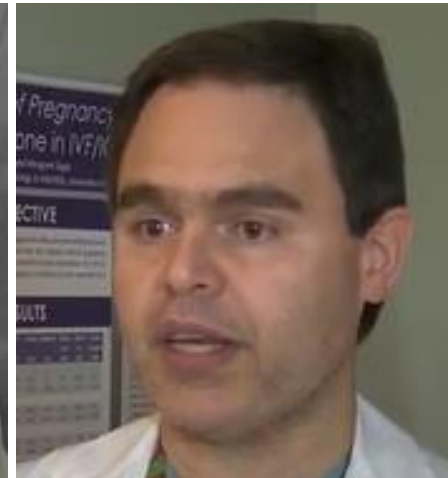
Acknowledgement



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