

Prairie Vascular Research Inc: Building Research Capacity in Saskatchewan-An overview



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ABSTRACT

Prairie Vascular Research Inc (PVRI) is a non-profit charitable organization aimed at promoting research in Canada with a special focus on the prairie population. PVRI promotes research by:

- Recruiting patients to international trials
- Facilitating investigator-initiated trials
- Providing a structure for trainees to develop skills and relationships with mentors so that they can start their own journey in medical research.

INTRODUCTION

Cardiovascular disease (CVD) is the second most common cause of death in SK and Canada. Accessibility to health care, the current COVID situation, and other comorbidities increase heart disease in Saskatchewan.

PVRI's mission is to increase patient survival and quality of life by providing effective delivery of care through making informed decisions using evidence-based treatment strategies.

OBJECTIVES

The objectives are to highlight research activities and contributions of the PVRI team members under the direction of Drs. Dehghani, Lavoie and Sultan to provide:

- Better care to the patients
- Informed decision making with treatment options for patients with CVD.
- Empowerment of patients through education

METHODS

MULTICENTER REGISTRIES

ACS Longitudinal
CHASM CS
INVESTED
CCMD
NACMI
CanSCAD
ACHD & COVID-19

PVRI INVESTIGATOR-INITIATED STUDIES

CardioSTAT in TATC community
PVC Iminate
SET FAST
COMPLETE sub study
Validation of Activity Monitor

CLINICAL TRIALS

Drug Trials
ARTESiA
CLEAR-SYNERGY
EMPACT-MI
Interventional Trials
ASSIST-MI
REFINE ICD
Complete-TAVR

STUDIES IN PIPELINE

ACCESS-1
Inclisiran-Novartis
RASTA-AF
REAL AF



PVRI TEAM

INVESTIGATORS

Dr. Payam Dehghani
Dr. Andrea Lavoie
Dr. Omar Sultan

COLLABORATORS



STAFF MEMBERS

Abdullah Masood, Brooke Bowles, Emilie Desjardins, Jo-Anne Kurenoff, Jyotpal Singh, Kris Matravolgyi, Michael Durr, Muskan Chhina, Dr. Neha Mehta, Dr. Sabiha Sultana

TEAM

SPONSORS



RESULTS AND GOALS ACHIEVED

Capacity Building and Collaborations:

SHA, VIGOUR center in Alberta, CCI-CIC at UBC and 52 centers across the US

Advancement in Treatment and Care:

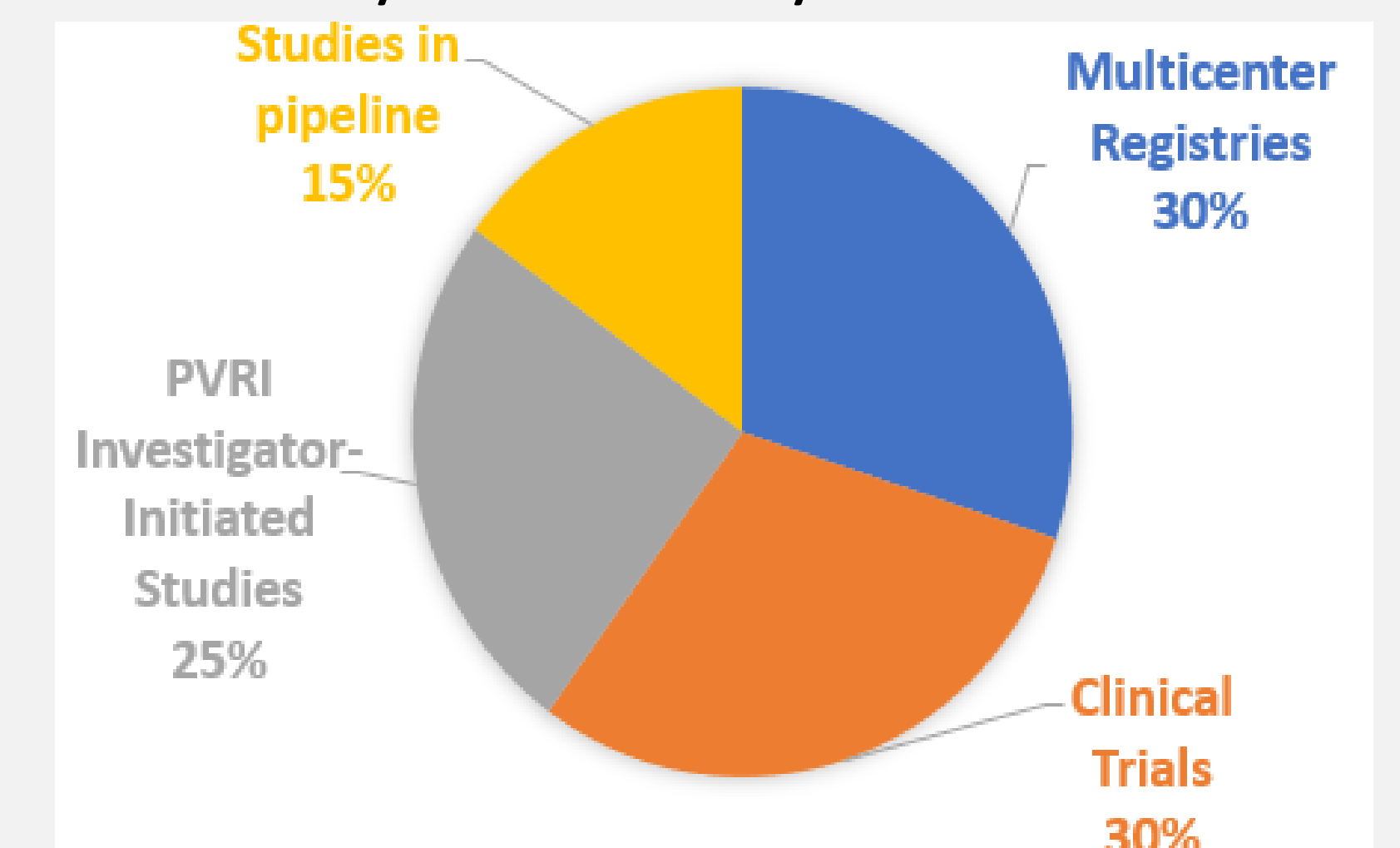
SET-FAST clinical trial testing the safety and efficacy of antiplatelet therapy in MI patients (NCT # 01930591)

Multicenter Collaborations:

NACMI Registry: Multi center collaboration; 74 centers across North America. Initial findings identified increase fatality of the STEMI COVID+ patient with CVD history.

Community Outreach:

Ambulatory cardiac monitoring in TATC communities: an indigenous community-based study to improve health care accessibility and delivery.



SELECTED PUBLICATIONS

1. **SETFAST Clinical trial:** Dehghani, P., Lavoie, A. et al, 2017: Am Heart J, 192:105-112
2. **The PADIT Trial:** Krahn AD, Sultan, O. 2018, JACC, 72 (24) 3098-3109
3. **SCAD Study:** Saw, J, Lavoie, A. 2019, Eur Heart J, 40: 1188-1197
4. **NACMI Design :** Dehghani, P., et al 2020, Am Heart J, 227:11-18
5. **TAILOR-PCI Randomized:** Pereira, NL., et al 2020. JAMA, 324(8):761-771
6. **PVC iminate:** Dehghani, P., 2020: Int J Cardiology, 313: 35-38
7. **Initial NACMI findings:** Garcia S, Dehghani P., et al, 2021, JACC, 77: 1994-2003
8. **ACHD & COVID-19:** Broberg, CS., 2021 JACC, 77:1644-1655

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