

Continuum of Care for Patients with Advanced Heart Failure

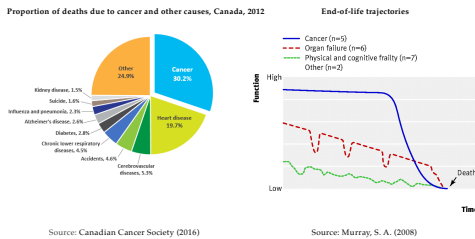
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BACKGROUND



OBJECTIVES

- ◊ To improve accessibility and continuity of care for patients with advanced HF;
- ◊ To share the expertise on palliative care for cardiology patients among professional caretakers;
- ◊ To support primary home care teams in charge of patients with advanced HF in end of life.

TARGET POPULATION

- ◊ Advanced HF = Stage 4 HF = Final Stage HF
- ◊ Survival prognosis < 1 year
- ◊ NYHA 3 or 4
- ◊ Level of care C or D
- ◊ Refractory symptoms
- ◊ Repeated hospital admissions for HF symptoms
- ◊ Decline in function
- ◊ « M.D. wouldn't be surprised if patient died in the following year »

These criteria were developed by ICM's Palliative care Committee and approved by the SSPAD

PARTNERSHIP

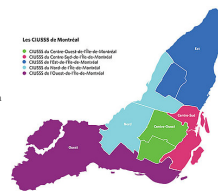
- ◊ **Institut de Cardiologie de Montréal (ICM)**
 - ◊ Ultra-specialized Teaching Hospital and Research Center
 - ◊ Founded in 1954
 - ◊ 7590 Admissions, 17 285 ED consultations, 75 000 Outpatient clinic appointments per year
 - ◊ Palliative Care Committee (since 2005): General Practitioners, Nurses, Nutritionist, Social Worker, Pharmacist
- ◊ **Société de Soins Palliatifs à Domicile du Grand Montréal (SSPAD)**
 - ◊ Non-profit Organization, allocating home palliative care
 - ◊ Founded in 1973 (Société d'Entraide Ville-Marie)
 - ◊ Nurses, Psychologist, Orderlies, Volunteers, affiliated General Practitioners
 - ◊ 55 000 patients since its creation
- ◊ **Official signed partnership agreement**

- ◊ 3-year length starting from June 2018, renewable at term
- ◊ Stating Roles, Responsibilities, Contributions
- ◊ Signatories
 - ◊ Dre Julie Sirois, co-president of ICM's Palliative care committee
 - ◊ Dr Martin Juneau, Director of Professional Services at ICM
 - ◊ M. Bérard Riverain, Director General at SSPAD

PILOT PROJECT

CIUSSS-de-l'Est-de-l'Île
527 085 inhabitants
27% of Montreal's total population

Centre Intégré Universitaire de
Santé et de Services Sociaux
(Integrated University Health and
Social Services Centre)

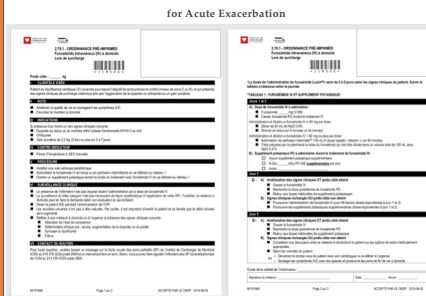


OUTCOMES

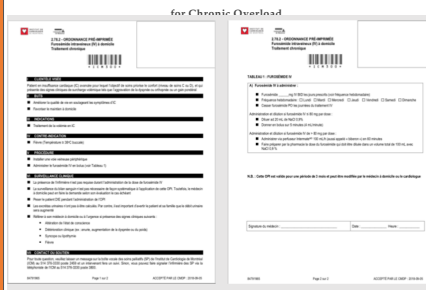
- Since November 2017
- ◊ 10 patients referred from ICM to SSPAD, for close nursing follow-up at home
 - ◊ 3 patients received IV furosemide at home
 - ◊ Nursing staff at SSPAD received tailor-made training

IV FUROSEMIDE PROTOCOLS

for Acute Exacerbation



for Chronic Overload



AUTHORS

Partnership agreement

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Bérard Riverain *Director General, SSPAD*
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IV Furosemide protocol

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FURTHER QUESTIONS/CONTACT

For any questions related to the Partnership agreement or the IV Furosemide Protocols, please contact: Dre Julie Sirois at siroisju@icloud.com

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REFERENCES

- Canadian Cancer Society. (Updated 2018). *Cancer statistics at a glance*. Retrieved from <http://www.cancer.ca/en/cancer-information/cancer-101/cancer-statistics-at-a-glance/?region=on>
- Caplette, E. Lacroix M. and Sirois, J. (2018). *Les soins palliatifs en cardiologie: comprendre pour mieux intervenir*. Montréal.
- CIUSSS de l'Est-de-l'Île-de-Montréal. (Updated 2018). *Caractéristiques et état de santé de la population*. Retrieved from <http://ciussstestmi.gouv.qc.ca/s-propos/portrait/caracteristiques-et-etat-de-sante-de-la-population/>
- Gouvernement du Québec. (Updated 2016). *Les centres intégrés universitaires de santé et de services sociaux (CIUSSS) de Montréal*. Retrieved from <https://santermontriel.gouv.qc.ca/population/ressources/ciussus/>
- Elison, D.H. and Felker, G.M. (2017 November 16). *Diuretic Treatment in Heart Failure*. Retrieved from <https://www.nejm.org/doi/full/10.1056/nejma1703100>
- Institut de Cardiologie de Montréal. (Updated 2018). *L'ICM en chiffres*. Retrieved from <https://www.icm-mhi.org/fr/propos/notre-present/licm-en-chiffres>
- Murray, S. A. (2008 April 24). *Care for all at the end of life*. Retrieved from <https://www.bmj.com/content/336/7658/958.1>
- Société de soins palliatifs à domicile du Grand Montréal. (N/A). *Qui sommes-nous?* Retrieved from <http://www.societedesoinspalliatifs.com/s-propos/>

ACKNOWLEDGEMENTS

Dre Andréanne Côté
Dre Julie Sirois
Dre Dominique Dion

Anie Brisebois
Émilie Lacharité-St-Louis
Elsie Monereau