



Centre for Health Evaluation

& Outcome Sciences



¹Faculty of Pharmaceutical Sciences, UBC, Canada; ²Centre for Health Evaluation and Outcome Sciences, Canada; ⁴Department of Medicine, McGill University, Canada; ⁴Department of Medicine, McGill University, Canada; ⁴Department of Pharmaceutical Sciences, Canada; ⁴Department, Can ⁵Joint Health/Arthritis Consumer Experts; ⁶School of Population and Public Health, UBC, Canada; Arthritis Research Canada, Canada.

PURPOSE

 To identify relevant attributes for a discrete choice experiment representing the factors that influence the preferences of patients, first-degree relatives of patients, and rheumatologists about a preventative treatment for rheumatoid arthritis

BACKGROUND

- Rheumatoid arthritis (RA) affects more than 330,000 Canadians and generates \$16.1 billion in direct health care costs¹
- RA is thought to have an identifiable pre-clinical phase which predicts the development and progression of disease²
- Screening using auto-antibodies and other biomarkers offers the opportunity to identify and treat those at high risk in an effort to prevent the development of rheumatoid arthritis

METHODS

- Qualitative study design
- Setting: Urban community in British Columbia
- Data Collection: semi-structured focus groups were conducted with:
 - Patients diagnosed with rheumatoid arthritis
 - 2. First degree relatives of people with rheumatoid arthritis
 - 3. Rheumatologists
- Focus groups were transcribed, analyzed, interpreted and then reduced to a potential list of attributes using

a Framework analysis ³		TABLE 3: ATTRIBUTES ELICITED FOR A DISCRETE CHOICE EXPERIMENT							
TABLE 1: PARTICIPANT GROUPS		Accuracy of test	Who recommends looking	Rheumatoid arthritis risk	Method of	Chance of side effects	Certainty in estimates	Opinion of healthcare pro	
Patients	13 (3 Male, 10 Female)		into treatment	and risk reduction with treatment	administration			patient for the rheumate	
First Degree Relatives	5 (2 Male, 3 Female)		Whether it is a health care			The risk of a side effect	C	Whether a healthcare prov	
Rheumatologists				Rheumatoid arthritis without vs. with treatment	infusion, injection, tablet.			patient supports/wants to and/or preventative treatm	



Pati



First De Relat



Rheumat

Perspectives of Patients, First Degree Relatives, and Rheumatologists **Around Preventative Treatments for Rheumatoid Arthritis** Spooner L¹, Milbers K², Munro S³, Hudson M⁴, Koehn C⁵, Bansback NJ^{2,6,7}, Harrison M^{1,2,7} Email: luke.spooner@ubc.ca

TABLE 2: FRAMEWORK ANALYSIS OF SELECTED FACTORS INFLUENCING UPTAKE OF A PREVENTATIVE TREATMENT

	Living with Rheumatoid Arthritis	Wanting a Better Quality of Life	Trying to Avoid the Side Effects of Medication	Having Concerns about the Impact of the Test	Needing More Evidence	Implementing Preventative Treatment for Rheumatoid Arthritis in the Health System
	even, for an afternoon, I couldn't get dressed, couldn't pull up the zipper on my pants,	full no-limits life previously. I had no indication that that would change And I	"And of course the medication is effecting all the other things, the liver, the kidneys. Your skin, your hair, like everything. Eyes." **	tests I can get my hands on, because every little bit of knowledge helps me understand what is going on with my bodyI want to know for my own benefit these different		None
	"She [family member] had a life and then once the disease came and took it from her, she didn't anymore. She couldn't do things."**	"If that was a risk for the medication, it's also a risk for the RA. You're almost guaranteed to get serious infections and TB is completely likely. So		kind of anxiety to it, not because [a test result] necessarily jars me into a realism that I'm not comfortable with, but because I don't think it adds anything."**	"If it was that kind of drug where it had already been used in the market place, with you know, other people taking it. That'd be great. But if it was something that was newly developed for this and perhaps the experimental trial, no." *	None
atologist	None	None	None	have Lupus then my insurance goes into the toilet, you know, and I don't want that, so I don't want to know. I don't want my family to know."**	strong, good solid scientific placebo control or analyzed control, let's do it, I'll push for it. But before that it is do no harm and that is how I	"I barely have time to address the issues and the patients and when you say 25 percent already have erosive disease by the time they come, I tell you my practice in the middle of British Columbia is 50 percent, so there is no time to address the why."**

** Frequent theme; * Infrequent theme



SOINS RHUMATOLOGIQUES

THU0629



RESULTS

- Patients and first-degree relatives tended to focus on impacts on their quality of life including activities, relationships, health, and wealth.
- Rheumatologists mainly focused on the evidence for preventative treatments, the ability to predict who would develop rheumatoid arthritis, and the implementation challenges at a health system level
- First-degree relatives valued the availability of options for treatment after screening, whereas patients viewed screening as obtaining intrusive personal knowledge on their health

CONCLUSIONS

- Through qualitative analysis, we highlighted key themes in this discussion which informed the attributes to be included in a discrete choice experiment
- Our findings suggest that there are important differences in how uncertainties surrounding the potential benefits of a preventative treatment for rheumatoid arthritis are valued from the perspectives of patients, FDRs and rheumatologists.

FUNDING

Funded by 2015 CIORA grant "Preventing rheumatoid arthritis (Pre-RA): perspectives of people at risk and of rheumatologists on selected interventions"

CITATIONS

- 1) Bombardier, Arthritis Alliance of Canada, 2011; 2) Deane, Best Pract Res Clin Rheumatol, 2013;
- 3) Gale, BMC Med Res Methodol. 2013;

o address atients and cent already by the time my practice sh Columbia re is no time

provider (or natologist)

rovider or to take test atment