Abstract THU0761-HPR – Table 1

Indication	Time (months)	ABA	ADA	CERTO	ETN	GOLI	IFX	RTX	TCZ
RA	$\bar{x}$	29,7	58,6	28,8	57,4	24,6	27,3	60,5	35,7
	ED	22	42,5	17,7	39,7	20,4	25	32,8	27,1
	1-year (%)	98	93	89,6	98,5	77,8	94,4	97,8	88,4
	1-year CI95%	0,942–1	0,881–0,981	0,805–0,998	0,968–1	0,6076–0,996	0,844–1	0,937–1	0,812–0,963
	p-value	<0,001*	0,011*	<0,001*		<0,001*	0,115	0,005*	<0,001*
PA	$\bar{x}$		43,4		59,6	37,3	51,8		
	ED		33,7		46,6	19,1	27,5		
	1-year (%)		87,8		99	91,7	100		
	1-year CI95%		0,802–0,961		0,971–1	0,831–1			
	p-value		0,025*		0,894	0,007*			
EA	$\bar{x}$		43,1		54,2	33,7	51,4		
	ED		32,2		37,1	16,7	47,6		
	1-year (%)		95,6		95,8	100	93,5		
	1-year CI95		0,921–0,991		0,923–0,995		0,853–1		
	p-value		0,04*		0,008*		0,06		

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THU0762-HPR ONLINE CONSULTATION FOR CHINESE PATIENTS WITH RHEUMATIC DISEASES BASED ON SMART SYSTEM OF DISEASE MANAGEMENT (SSDM) MOBILE TOOLS: A STUDY OF MEDICAL ECONOMICS

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Background: China doesn't have efficient primary medical care and referral system. Patients can choose any hospitals or any doctors they like to seek medical care. As a result, most patients with rheumatic diseases rushed to a few large cities. Survey shows that more than 40% of the rheumatic disease patients are unnecessary to go to hospital and they only need advices from specialist. Smart System of Disease Management (SSDM) is a series of applications for chronic diseases management, which develop the interaction between doctors and patients. Our previous study showed that rheumatoid arthritis (RA) patients can master the SSDM and perform self-management after training, including disease activity score with 28 joints (DAS28) and health assessment questionnaire (HAQ) evaluations, as well as medication and lab test data entries.

Objectives: To evaluate the feasibility and benefit of the medical economics of online consultation based on SSDM by rheumatologist.

Methods: The rheumatologists implemented the education and training programs on patients in using SSDM and assist the patients in downloading SSDM mobile application. The SSDM includes doctors' and patients' applications. After data entry, patients can synchronize data to their authorized doctor. On the basis of these data, the rheumatologists can accept the request from their follow-up patients through SSDM and practice consultation in the form of text or telephone call.

Results: From February 2015 to January 2017, 333 rheumatologists supplied 3,119 patients (RA 46%, systemic lupus erythematosus 22%, ankylosing spondylitis 12%, Gout 11%, osteoarthritis 4%, other rheumatic diseases 5%) with 136 times free and 3,556 paid consultations. Paid consulting included 3,537 times text Q&A and 19 telephone consultations. The consulting fee ranged from RMB 10 to 500 yuan (EUR: RMB =1: 7.33) each in average of 121.3±55.19 yuan, which rate match the registration fee in hospital. The total collection of fee for consultations was 399,320 yuan RMB. 35.9% patients receiving online consultation lived in different city with the rheumatologists. If patients seek medical in hospital, in addition to the registration fees and medical expenses, the mean cost of transportation, accommodation, meals and lost wages was 552.68±477.51 (200 - 2,800) yuan. The total cost of cost for all patients would have been 2, 509,920 yuan RMB, which is 6.29 times compare with the cost of online. Through the SSDM system for online consultations, patients can save 84.09% of the cost. Survey shows all patients were satisfied and 60.28% of them were "very satisfied" with the consultations.

Conclusions: Using SSDM system to obtain online consultation, Chinese patients with rheumatic disease can enjoy reduced cost with high satisfaction. In the era lack of primary care system in China, SSDM may serve a complimentary platform to control medical care cost, as well as relieve the tensions between health care professionals and patients.

THU0763-HPR ADDRESSING THE ELEPHANT IN THE ROOM: A POSSIBLE NEW AND EFFECTIVE WAY TO INCREASE PATIENT ADHERENCE TO MEDICAL ADVICE

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Background: Lack of Patient adherence to medical advice (PAMA) are recognized as an era of interest for the last decades¹. There have been several initiatives to improve PAMA such as patient centred care, shared decision-making, introduction of e-health and m-health. Although they are proven better than usual care, neither of these initiatives is proven successful. Outcome of medical interventions depends on complex psychological and sociocultural factors of which many are uncontrolled by health professionals.

Objectives: In the present study we assess beliefs about priorities in public health care, and adherence to medical advice to establish a novel approach to increase PAMA.

Methods: The Norwegian Citizen Panel (NCP)² is an experimental survey. Respondents are randomized to answer similar questions with slightly different wording. NCP is currently about 5000 respondents based on random selection performed by the Norwegian people register. The present study is based on responses to two question experiments from NCP addressing beliefs about priorities in public health care, and adherence to medical advice. The question on priorities in health care is divided in six groups (two control group, four experimental). The question on adherence is divided in three groups (one control group, two experimental). All questions are answered with a seven point Likert scale.

Table 1

Question nr	Question phrases	Result	Confidence Interval 95%		n=
			Lower bound	Upper bound	
1	Prioritising waiting lists for surgery				
1a	Patients with severe illness are treated first	0,7442	0,7169	0,7714	271
1b	Patients with severe illness are treated first resulting in longer waiting for one in your family	0,7596	0,7329	0,7864	285
1c	Patients with severe illness are treated first, resulting in longer waiting for yourself	0,7600	0,7341	0,7860	266
1d	Those who benefit most from treatment are prioritised	0,5226	0,4877	0,5576	265
1e	Those who benefit most from treatment are prioritised, resulting in longer waiting for one in your family	0,5560	0,5208	0,5912	277
1f	Those who benefit most from treatment are prioritised, resulting in longer waiting for yourself	0,5818	0,5465	0,6171	273
2	Treatment rejection				
2a	Medical doctor denies treatment	0,5009	0,4774	0,5245	539
2b	Medical expertise does not approve the treatment.*	0,5361	0,5117	0,5604	564
2c	Medical expertise and patient organisation agree on not approving the treatment.*	0,5730	0,5478	0,5982	523

Question 1 a-f is used to assess beliefs on health care systems priorities. Question 2 assesses aspects of potential new ways to increase patient adherence. All questions are answered using a 7 point likert scale. Result is based on positive attitude regarding wording in the question

* Question phrases refer to how the physician explains to the patient why the treatment is rejected.