

VIEWPOINT

Patient–physician collaboration in
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ABSTRACT

Over the past few decades, there has been significant and impressive progress in the understanding and management of rheumatic diseases. One of the key reasons for succeeding in making this progress has been the increasingly stronger partnership between physicians and patients, setting a milestone in patient care. In this viewpoint, we discuss the recent evolution of the physician–patient relationship over time in Europe, reflecting on the ‘journey’ from behind the clinic walls through to clinical and research collaborations at national and international level and the birth of healthcare professional and ‘rheumatic’ patient organisations. The role of expert patients and patient advocates in clinical and scientific committees now represents a core part of the decision-making process. In more recent years and following the recognition that the young patients, physicians and academics have a voice and needs of their own, including the need to be educated and instructed, has encouraged the establishment of youth organisations, enabling change and innovation to take place at a uniquely different level.

Rheumatology has witnessed rapid advances over time; from more than 100 years back when aspirin was ‘the’ treatment, through to the mid-20th century when the effects of cortisone were first observed, to current times, where biological agents and small molecules are catching headlines in the news. But would such progress have been made without interested clinicians and researchers dedicating their lives to understanding mechanistic pathways and therapeutic targets? More importantly, would this have been achieved without determined patients who believed, trusted and accepted treatments given to them? The answer is probably no. Scientific intelligence and the increasingly stronger partnership between physicians and patients over time have undoubtedly played a crucial role in better understanding rheumatic and musculoskeletal diseases (RMDs) and their treatment. The congregation of physicians, on the one hand, and patients, on the other, working together in partnership as a single unit rather than as different entities,

has set important milestones and allowed the specialty to progress to a different level.

PATIENTS AND PHYSICIANS WORKING IN PARTNERSHIP

The relationship between patients and physicians has received attention since the Hippocratic times.¹ It is undoubtedly a relationship that has changed and matured through the years, with almost a complete turnaround of role and attitude: the emphasis is now on the patient talking and the physician listening and understanding the needs of the patient; the physician giving opinion and information and the patient making choice together with the physician; the patient asking and the physician answering. The communication between physicians and patients in the majority of the communities has progressively evolved into an open dialogue, transforming patients from passive recipients of information and instructions to active participants in the management of their disease. The shift towards more patient-centred healthcare has necessitated important changes in the infrastructure and the way healthcare is delivered. This is, not surprisingly, more suited and more appealing to our target population of patients with chronic, rheumatic musculoskeletal diseases (RMDs) often in the setting of many other coexisting (comorbid) conditions. Interestingly in the most recent treatment guidelines for RMDs released by the European League Against Rheumatism (EULAR), one of the overarching principles is that treatment should be based on a shared-decision process between the patient and the physician.^{2,3} Patient empowerment through tailored education and information becomes therefore a crucial aspect of healthcare, which we strongly advocate. However, we recognise that although clinicians and health professionals are advised to educate patients and support them with information about their disease, they have limited

guidance about how to do this and to communicate the evidence-based medicine in a way patients will understand. In this aspect, and in close collaboration between physicians and patients, the EULAR set of recommendations for education of patients with inflammatory arthritis⁴ are well-received, as are recent discussions focusing on translating all recommendations in a friendly patient language. We should not forget that communication between patients and doctors is critical not just in clinical practice, but also in clinical research. In fact, the two are deeply linked as one informs the other, especially as there is evidence that the patient and physician perspectives diverge. For instance, in the development of the Rheumatoid Arthritis Impact of Disease (RAID) index, patients considered that ‘coping’ needed to be taken into account and doctors were not so in favour of this. The psychometric properties of the RAID, which includes ‘coping’, are better than other doctor-derived indices more widely used, for example, the 28-joint count Disease Activity Score (DAS28).⁵ Some groups even consider that probably the best strategy to achieve a comprehensive and valid definition of states in disease will be to concur in the same group of people experiences and technical expertise, that is, recruiting doctors with RMDs to ‘translate’ the experience to doctors.⁶

Outcomes Measures in Rheumatology (OMERACT) is a forum in which patient–researcher relationship is incredibly enriching (https://www.omeract.org/patient_research_partners.php). OMERACT is an independent international think-tank and hands-on focused on outcome measures in rheumatology. The group, a mix of stakeholders, from doctors, researchers, agencies, industry and patients, meets every 2 years and works on agreed processes and projects between meetings. Recognising that nobody knows how arthritis changes one’s life better than the people who have the condition, OMERACT has Patient Research Partners fully integrated into each stage of the OMERACT process. The majority of the most influential patient representatives in rheumatology have attended at least one OMERACT meeting. We recognise that patient research partners (PRPs) have made an important contribution to clinical research, helping define important outcome measures, such as minimum clinically important difference, recognising domains of concern, such as sleep and fatigue, and ensuring feasibility of assessments, such as in the tolerability of MRI scanning times.⁷

However, there is also the other side to the coin and it may be perceived that the call for patient involvement is perhaps going a little too far, with risks to becoming counterproductive. How much the patient perspective can and should be incorporated in clinical and scientific decisions can be subject to debate. As an example, the definition of treatment success for a clinician is often based purely on achieving a remission or at least low disease activity score, whereas for the patient remission may be completely unrelated or only partially related to a score reflecting disease activity. Instead, other

important aspects of disease may be of greater relevance to the patient when it comes to whether treatment has succeeded or failed: for example, improved sleep, ability to remain socially engaged and in employment may be what disease remission and treatment success means to them.^{8–13}

We therefore observe with delight that regulatory authorities require the patient perspective to be taken into account. Aside from the inclusion of patient-reported outcomes in trials, the introduction of the patient’s voice in the evaluation of medicines and the patient’s contribution in the assessment of benefit and risk of therapeutic approaches is required.^{14 15} Of all stakeholders, regulators are the ones most interested in patients being educated in the process of drug development and applaud and support initiatives such as the European Patients Academy (<http://www.eupati.eu>) and initiatives that focus on bringing the patient closer to the centre of medicines development, authorisation and reimbursement processes in the European Union (EU). Finally, we recognise that this evolution in the physician–patient relationship has bridged many gaps between the two parties, prompting patient and physician groups to come together and work collaboratively towards achieving common goals, and strengthening research in rheumatology.

THE BIRTH OF HEALTHCARE PROFESSIONAL/PHYSICIAN ORGANISATIONS

The first attempt to establish a worldwide group for the study and control of rheumatic diseases dates back to 1913 but it sadly failed due to World War I intervening. In 1925 the International League Against Rheumatism (ILAR) was formed in Paris representing the first step towards the development of regional leagues, namely Pan-American League of Rheumatology Associations (PANLAR) in the Pan-American Region in 1943, EULAR in the European region in 1947, the Asia Pacific League of Associations for Rheumatology in 1963 and in 1989 the African League (AFLAR). At national level, the American Rheumatism Association was founded in 1925, in 1965 renamed the American College of Rheumatology.

A unique feature of EULAR is its three pillars (medical doctors/scientists, health professionals and people with RMDs) representing a broad audience and ensuring that voices from all relevant stakeholders are heard.

At present, we realise that at national level each country under the EULAR umbrella pursues similar objectives through their individual rheumatology societies. In the majority of cases, these represent highly active communities of rheumatology clinicians and academics with links to patient organisations and health professional associations working together in several clinical and research domains relating to the specialty.

What has been a real credit to patients with RMDs across the globe was the formation of organisations to support programmes in less developed countries that aim



Figure 1 People with Arthritis and Rheumatism organisations across Europe.

to enhance the practice and education of rheumatology. For example, ILAR has a focused mission of advancing rheumatology in countries with an exceptional need. ILAR projects have varied in their focus from recommendations for treating rheumatic diseases to setting up specialist clinics in low-income, middle-income countries to web-based educational programmes aimed at patients with rheumatic disease.

THE ROLE OF PATIENT ORGANISATIONS

The crucial role of the patients as service users in identifying areas of improvement in healthcare provision as well as the growing need to engage patients in initiatives to improve on clinical and academic fronts has been prominent over the past decade. As a result, patient organisations were gradually established across countries, many of which have rightly gained key roles within executive committees of healthcare professionals (figure 1). This way it has been possible to have the patient's voice and perspective heard and taken into account. We enthusiastically support the pairing of patient and physician organisations as it inevitably helps identify key areas that need development and addressing for patients with RMDs (table 1).

Many national patient organisations produce newsletters, patient guidebooks and organise meetings and gatherings bringing people together. As a consequence of their many roles, it is evident that patient organisations also raise the awareness about the burden of RMDs as well as the impact to the patients and provide information, support and education to the patients to empower them

to self-manage their disease. The majority of these organisations have their own website and are active on social media platforms such as Facebook and Twitter, reaching out to as many people as possible. Patient forums and online blogs are becoming more and more frequent and have provided platforms for people to openly communicate, build communities, share experiences, exchange information and learn from each other. Although there are mixed views about the use of social media in this manner, this seems to be the way the future of rheumatology is progressing and embracing this is probably better than resisting it.

Even in small communities/countries, patients have had a strong presence, working in partnership with rheumatologists at national and international level to enforce national strategic plans, but also raise awareness and contribute to improving the future of patients with RMDs globally. EULAR had a strong influence in encouraging patient collaboration with professionals in research, producing recommendations for inclusion of patient representatives in scientific projects.^{16 17} PRPs are therefore highly recommended and are currently involved in all EULAR research initiatives.

The EULAR People with Arthritis and Rheumatism across Europe (PARE) standing committee (<http://www.eular.org/pare.cfm>), set up in 2008 to succeed the EULAR Social Leagues, actively engages national organisations of people with RMDs across Europe-related initiatives focusing on improving quality of life in patients with these diseases.

Table 1 People with Arthritis and Rheumatism across Europe organisations 2015/2016

Map number	Acronym	Full name	Country	Year of foundation	Members (2016 update)
1		Österreichische Rheumaliga	Austria	1995	
2		Reumanet vzw.	Belgium (Flanders)	2011	5000
3	CLAIR	Confédération de Lutte contre les Affections Inflammatoires Rhumatismales	Belgium (Wallonia)	2004	2500
4	BOPRD	Bulgarian Organisation for Patients with Rheumatic Diseases	Bulgaria	2010	300
5	HRVATSKA	Liga Protiv Reumatizma	Croatia	1992	5500
6	CYPLAR	Cyprus League Against Rheumatism	Cyprus	1984	4450
7		Revma Liga v CR	Czech Republic	1991	460
8		Gigtforeningen	Denmark	1936	78 800
9	ERL	Eesti Reumaliit	Estonia	1991	11 subassociations
10		Suomen Reumaliitto Ry	Finland	1947	45 000
11	AFLAR	Association Française de Lutte Anti-Rhumatismale	France	1928	6500
12		Deutsche Rheuma-Liga Bundesverband e.V.	Germany	1970	280 000
13	E.A.E.A.N.A.	Hellenic League Against Rheumatism	Greece	1978	
14		Magyar Reumabetegek Egyesülete	Hungary	1998	
15		Gigtarfélag Íslands	Iceland	1976	5030
16		Arthritis Ireland	Ireland		400
17	INBAR	Israeli Arthritis Foundation & Lupus Org	Israel	1985	4000
18	ANMAR	Associazione Nazionale Malati Reumatici	Italy	1985	12 000
19	LKLSSB	Latvijas Kaulu, locītavu un saistaudu slimnieku biedrība	Latvia	1998	650
20		Lietuvos Artrito Asociacija	Lithuania	1998	2000
21	NORA	Non-governmental Organisation for Rheumatism & Arthritis	Macedonia	2008	1009
22	Malta-ARAM	Arthritis and Rheumatism Association Malta	Malta	2007	380
23		Association for Helping Persons with Rheumatic Diseases	Montenegro	2003	2150
24		National Association ReumaZorg Nederland	Netherlands	2014	
25	NRF	Norsk Revmatikerforbund	Norway	1951	34 000
26	REF	Ogólnopolska Federacja Stowarzyszeń Reumatyków	Poland	2000	
27	LPCDR	Liga Portuguesa Contra as Doenças Reumáticas	Portugal	1982	500
28		Liga Romana Contra Reumatismului	Romania	2002	650

Continued

Table 1 Continued

Map number	Acronym	Full name	Country	Year of foundation	Members (2016 update)
29	N.A.D.E.G.D.A.	National Public Organisation of disabled people	Russia	2006	
30	ORS	The Association of Rheumatic Diseases Patients of the Republic of Serbia	Serbia	2007	1400
31		Liga proti reumatizmu	Slovakia	1990	
32	DRS	Slovenian Rheumatism Association	Slovenia	1983	1550
33	LIRE	Liga Reumatológica Española	Spain	1973	
34		Reumatikerförbundet	Sweden	1945	50 000
35	RLS	Rheumaliga Schweiz	Switzerland	1958	
36		Türkiye Romatizma Dernegi	Turkey	1977	
37	ARMA	Arthritis and Musculoskeletal Alliance	UK	1972	

PARE is involved in a number of projects, aiming to develop strong networks of effective, user-led organisations of people with RMDs; to ensure the voice of people with RMDs is heard and has influence among decision makers within Europe; to create powerful alliances that will make a difference to the lives of these people and to raise the awareness for RMDs.^{18 19} Key PARE projects include the coordination of the World Arthritis Day (www.worldarthritisday.org) which aims to raise awareness of all forms of RMDs among the medical community, people with RMDs and the general public. Second, it organises the EULAR Annual European Conference of PARE which aims to inspire, educate and empower the National Patient Representatives. PARE has established a European Network of Patient Research Partners in order to influence research from a patient perspective and participation in EULAR scientific projects.

Other similar organisations to PARE include AGORA (<http://www.agora-platform.eu>), an ‘umbrella platform’ representing patient organisations of people with RMDs in Southern Europe. Set up in 2011, with a motto of ‘Together we can’, AGORA has been an inspirational community of patients working towards improving quality of life and building a better future for people with RMDs. Many patient organisations have just like PARE set up their own annual conferences with the primary goal of inspiring, motivating and educating patient representatives on RMDs.

The role of patient advocates has gained increasing attention over time, fostering partnerships not only between patients and their families/carers, but importantly also between healthcare professionals, bridging gaps in care and improving communication but also with policymakers in order to influence and to be involved in the health policy. PARE’s vision for people with RMDs to be able to live full and independent lives has been a strong influence for patient advocates coming forward.

As a result, advocacy activities towards the EU have had an important influence by creating public and political interest in RMDs and in people suffering from these. Starting back in 2004 with a campaign called Alliance Against Arthritis and working together with all three pillars of EULAR (clinicians, health professionals and patient representatives) PARE organises activities in Brussels yearly, aiming to engage the policymakers raising awareness for RMDs and stressing the need to implement effective policies and strategies to tackle the RMDs. This has led to two written declarations on RMDs (2005 and 2008) highlighting the importance of the EU and its Member States in recognising the socioeconomic importance and other consequences of RMDs across all ages and assigning them appropriate priority. The launch of the first Written Declaration in 2005, instigated by EULAR, was officially announced at a reception in the European Parliament in Strasbourg. Also an Interest group was established consisting of parliamentarians and meeting three times a year to discuss relevant issues to RMDs.

Furthermore, the Secretariat of the European Parliament Interest Group on RMDs (2009–2014) has been run by EULAR and EULAR participated in the Council Conclusions on ‘Innovative approaches for chronic diseases in public health and healthcare systems’ elaboration in 2010. As a consequence, the document released in 2013 acknowledged RMD burden and recognised that consistent efforts should be invested in research and innovation in this field. Of note, the legislative texts of Horizon 2020, the EU framework programme for research and innovation running from 2014 to 2020, included RMDs among the relevant chronic diseases that Horizon 2020 should address. With an 80 billion EUR budget, Horizon 2020 will provide resources to foster high-quality research in—among others—rheumatology and increase our knowledge on these conditions eventually improving their management.

Finally, the European Commission has just launched (May 2017) the EU Network on Rare Diseases (ERN) with a branch to represent Rare Connective Tissue and Musculoskeletal Diseases (ERN ReCONNECT). The latter is endorsed by EULAR and PARE and has a mission to develop a framework for the delivery of high-quality, innovative, sustainable and equitable standard of care and practice for better access to care of European patients with rare Connective Tissue Diseases (rCTDs). All patient associations representing rCTDs have been involved in this initiative. The three main thematic groups of diseases identified in the ERN ReCONNECT include rare autoimmune, complex autoimmune and rare hereditary connective tissue and musculoskeletal diseases (<http://rd-connect.eu/news/european-commission-approves-23-european-reference-networks>).

MAKING THE VOICE OF THE YOUNG HEARD

We supported in recent years the need to make the voice and perspective of young physicians and patients with RMDs heard at national and international level and this has finally led to the establishment of several youth groups. In 2009 the EMerging EULAR NETwork (EMEUNET; <http://emeunet.eular.org>) was established with the aim of bringing young aspiring rheumatologists and academics together to work towards enhancing the quality of their own education and to foster collaborations among emerging rheumatologists in EULAR countries.²⁰ To date, EMEUNET is the largest European young rheumatologist group engaging in a number of educational initiatives, many linked with larger organisations including EULAR. At national level, several trainee networks exist, many rapidly growing in numbers and having an active influence on the way training is delivered in their respective countries. Examples include the British Rheumatologists in Training network and the Italian Young Rheumatologists Group.

Similarly, from the patients' side, the Young PARE group (<http://www.youngpare.org>), recently developed within EULAR PARE, has been working towards establishing and strengthening youth patient organisations in European countries. This move stemmed primarily from the appreciation that the needs and priorities of young compared with adult patients differ and recognising these needs and priorities is crucial in order to optimise the management and relationship of young people with physicians

FUTURE PROSPECTS AND FINAL THOUGHTS

So to answer the question of whether there is value in physician–patient collaboration, we conclude that there can really only be one answer: a simple, but strong and loud ‘yes’. Such collaboration is undoubtedly necessary to reach the mutual goal of optimising patient care and clinical outcomes, education and self-management and we are delighted to see it happening at two levels: the young and the senior/more established groups.

The science and knowledge are necessary for moving forward in the medical world. However, the real source of strength and potential for change draws inspiration from our patients; many highly motivated and with unique personal attributes striving for quality in healthcare and supporting fellow patients and healthcare professionals. It is one thing recognising this, though, and another actively doing something about it. Undoubtedly ‘expert’ patients and patient advocates in clinical areas but also scientific committees to strengthen patient representation will remain central to the future of rheumatology.

New and provocative views centre on how the patient perspective could modulate the physician perspective. Physicians tend to think that they can easily overtake the patient rule in research and in decisions, ‘we are all patients’.

In this regard, a final thought to learning environments could be a breeding ground for improving the patient–doctor relationship, and even more to normalise it. The EULAR School of Rheumatology (eular.org → school_of_rheumatology.cfm) has established a specific task force and classroom with the aim of developing ideas on how to further involve the patient perspective in the teaching and learning of future professionals. This might even imply expert and trained patients teaching future young doctors and health professionals at university, making relations more balanced, letting aside paternalism and creating a more patient-centred atmosphere.

With these prospects, the future landscape of rheumatology in Europe is certainly changing and, we believe, on the right track for achieving this important mission: to keep to the lowest limit the global burden of RMDs.

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