A Career in Rheumatology

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A Career in Rheumatology

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Introducing Rheumatology

with diseases of the musculoskeletal system the remit of thus it manifests in various ways such as hypermobile which includesdealing with pathology that affects joints joints which means it warrants rheumatology input. and associated structures as well as muscles and soft can render them unemployed and this, in turn, has far approach to looking after the patients. reaching consequences (i.e. if they are the sole bread winner for example). Rheumatological conditions can be Life as a Rheumatologist debilitating illnesses and are a considerable cause of A majority of the practising rheumatologist's time will be morbidity.

Many of the conditions that a rheumatologist deals with follow up patients to see. A rheumatologist will involve autoimmune processes, such as Rheumatoid encounter a whole array of conditions that range from Arthritis (RA). However, since a lot of rheumatological Osteoarthritis to SLE. Typically, rheumatologists do 5 - 6 diseases affect multiple organs, an understanding of the clinics per week with 5-7 new patients or 10-14 follow up other systems of the body is essential. For example, patients in each session. Systemic Lupus Erythematosus (SLE) has profound effects on the kidneys, skin, heart as well as joints, so it is easy to They will also have in-patients on the wards even though ways.

rheumatologist's responsibility.

these conditions involving the basic components that rota. Thus they are able to provide additional

make up much of the musculoskeletal system. For Rheumatology is a medical specialty that is concerned example, Marfan's syndrome is a disorder of collagen and

tissues. Rheumatic conditions are extensive and From the above it is clear how broad the range of challenging to treat not only because of the range of diseases encountered by a rheumatologist is and for that pathological processes involved and the many different reason it could be said that this is one of the enduring ways a disease can manifest, but also because of their fields in medicine where one has the opportunity to significant effects on the patients' quality of life which practice as a generalist which entails having a holistic

spent working with patients in the outpatient department. Clinics are very busy with both new and

appreciate how one disease may present in many diverse most hospitals don't have a ward that is exclusively dedicated to rheumatology. Patients admitted to hospital with new or existing rheumatological conditions that Inflammatory conditions are common in rheumatology so need rheumatological review can be referred to the understanding and managing conditions that fall under rheumatology department and they can be seen this remit, such as inflammatory arthritis and vasculitis to urgently. Moreover, many cases of Pyrexia of Unknown name but a few, will be frequent occurrences. Also Origin (PUO) require a rheumatologist's opinion because overseeing the care of patients who suffer from they are an expert in a whole array of different diseases – metabolic bone diseases such as osteoporosis and soft much like the cases seen in episodes of the hit TV series tissue conditions such as fibromyalgia will also be a "House" and indeed those medics who find the investigative process that is embodied in the protagonist of this series (the so-called 'diagnostician') fascinating Many genetic conditions such as Marfan's syndrome and need look no further than the field of rheumatology. heamochromatosis are also encountered by a Some rheumatologists who have undertaken additional rheumatologist due to the underlying pathogenesis of medical training usually contribute to the medical on call



rheumatological input when required during acute problem solving skills that are employed to formulate a referred to be seen in the out-patient clinics.

administrative work, seeing ward referrals, ward round, is to recognise the pattern. clinical meetings (X-ray meetings or MDT meetings with teaching both trainees and medical students.

The vast majority of consultants (in common with consultants in all other specialties) will work considerably longer hours than 9am to 5pm, Monday to Friday.

Rheumatologists work very closely with specialities and to name just a few they include:

- □ Specialist nurses when collaborating long term care □ Radiologists because expert help is needed when interpreting the pathological effect conditions have had on the radiographs of bones and various organs
- □ Orthopaedic surgeons when considering replacements, for osteoarthritis for example, when medical therapy has failed
- ☐ Respiratory, dermatology, immunology and renal physicians when collaborating care of these systems when they have been affected by a rheumatological condition
- □ Physiotherapists if a condition has affected patients in such a way that requires them to obtain help in order to regain mobility or reduce symptoms i.e., ,Ankylosing Spondylitis (AS).

Although working on an outpatient basis means there is a lot of paperwork to deal with, it is no worse than any other speciality. Most of the administrative work is based around referrals to other specialities, contacting patients and their GPs because the chronic nature of many rheumatological conditions requires long term follow up care both in the community and in secondary health care settings.

Given that most rheumatological conditions are chronic, one of the most enjoyable aspects of working as a rheumatologist is the relationship that is built up with patients. The ability to help someone regain their mobility or improve control of their pain can be such a rewarding experience and seeing the dramatic changes in a patient's quality of life is something all Facts and Figures rheumatologists relish. Moreover, being in such close There is considerable demand for rheumatology aspect of rheumatology is the thrill you get from of consultant posts available³. diagnosing rare and confusing diseases and from the

medical admission. Alternatively, patients can be diagnosis. For example, the eponymous condition Susac's syndrome is very rare, but when it does present, it is usually with bizarre symptoms such as hearing loss Overall, a rheumatologist's day consists of clinics, and retinal artery occlusion and a rheumatologist's job

colleagues in renal, immunology, or respiratory) and The opportunity for flexible working in rheumatology is excellent with the possibility of part time work even at a consultant level.

> The many new and exciting developments in rheumatology treatments means there is ample opportunity to get involved in research and there is a huge potential to have an international reputation. Should you wish to pursue an academic route, you may be able to work out the underlying pathological processes of diseases, attend international conferences and present research findings and potential novel therapeutics.

> Most rheumatologists have a specialist interest that vary from unexplained presentations of rashes to the rheumatic presentation of hepatitis C, but it isn't the norm to exclusively practice these. However, some other specialities such as rehabilitation or sports medicine may be regarded as subspecialties of rheumatology as they also work very closely with musculoskeletal disorders.

> One of the advantages of working in rheumatology is that on call shifts are infrequent, but some rheumatologists can spend time on call as part of the general medicine rota if they have additional general medical training. The work life balance for a full time rheumatologist is better than some other specialties which can make it an ideal career for those interested in having a family or who have other commitments outside of medicine.

> Earning potential during a career in rheumatology as a consultant is between £74000 and £100000. Although there are some opportunities to work privately, it is not something that is in a lot of demand which is one reason why most rheumatologists don't earn more than the average expected for a NHS consultant.

contact with many other professionals, keeping up to expertise. Currently there are over 470 consultants and date with all fields of medicine and connecting (no pun 210 trainees working in the specialty and it is one of the intended!) rheumatology to almost all specialities is rare specialities where there is a relative balance another fantastic aspect of this job. Another exciting between the number of people training and the number



Recent and Future Developments

at the moment for patients who are not responding to needs of each patient. disease modifying agents, such as Methotrexate and

Sulfasalazine, and so far, these biologics have been very An area in rheumatology that has received a lot of promising. New drugs that are being researched focus attention in the recent years, due to the potential for on using antibodies to antagonise the key mediators in controlling many symptoms experienced by patients, is inflammation and examples include interleukin the use of biological agents to treat inflammatory inhibitors and tyrosine kinase inhibitors. These block conditions such as RA. One of the major advances that the effect and production of many inflammatory have been made in this field is the use of disease mediators and thus combat the underlying pathological modifying anti-rheumatic drug (DMARD) anti-TNF problem in conditions such as psoriasis, psoriatic which have been shown to decrease the inflammatory arthritis and AS. The key challenge will be to identify process that drives many rheumatological conditions. how to integrate these advanced therapies into the For example, the drugs Infliximab and Enercept are used clinical setting and tailor the treatment to the specific

Training

Medical Student (5-6 years) MBChB/MBBS





Foundation Training (2 years - F1/F2)

Academic Foundation Training (2 years)



ST1-ST2 - Core Medical Training (CMT) or Acute Common Care Stem (ACCS)

CMT will usually take two years. Alternatively, you can take the 3 year ACCS route which will allow you to practise as a general physician as well as a rheumatologist.

By the end of this training you will be expected to successfully pass the MRCP 1 and MRCP 2. minimum.



ST3-ST6/ST7

This stage of training will finish with the successful completion of speciality certificate exam which most trainees take towards the end of their training. There is a choice of training up to ST6 (4 years) for pure rheumatology or ST7 (5 years) if you wish to also practise in General Internal Medicine as a consultant.



Consultant



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