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## What is historical method in research

What does it mean to conduct research? What are the different levels of research process? What are the requirements of modern scientific research? How do you analyze the scientific article? This course will teach you to conduct research according to scientific methodology. You will learn to analyze scientific articles in the subject of engineering and science, and how to conduct scientific experiments. This course will help to develop the core skills of a scientist, giving you research tools to succeed. Course materials are ideal for anyone interested in the problem of exposing knowledge and science; provide you with a methodology for the achievement of educational and scientific activities. The course is for anyone who has ever said, Science is interesting. It will appeal to those who want to learn the process behind modern scientific research. Understanding the fundamental problem of science's ability to analyze scientific articles On How to conduct scientific research and experimental Week 1: Philosophical aspects of the Introduction of scientific activity to the Philosophy of Science. What is scientific theory? The structure of scientific theory. The methodology used to gain scientific knowledge. The need to achieve scientific outcomes. Week 2: Scientific research theory and practices What is research? Ph.D. Research Planning Requirements. Research questions. Mode queries. Induction and deductions in your research project. Week 3: Principles of Ontology and epistemological research philosophy. Objectivity and subjectivity. Causes and correlations in your research project. Week 4: Research process of literature studies. Research and hypothetical questions. Paper structure and plan investigation. Effects of research. Week 5: Experimental methodology in The Purpose engineering study and experimental structure. Planning. Analysis of results. Receive certificates signed by instructors with institutional logos to verify your achievements and increase your prospect of workAdd certificates to your CV or resume, or post them directly at LinkedInGive's own additional incentives to complete coursesEdX, nonprofits, rely on certified certificates to help fund free education for everyone around the world Our support and research investment over the years has led to many findings We have helped find the discovery The Arthritis Foundation is a leader in arthritis space - for 70 years. We are the voice of 54 million Americans living with arthritis. We have the strength and knowledge to dare conquer arthritis through power and action—fight for you and fight for a cure. We hold science, academia, and industry to address the biggest concerns affecting people Arthritis. As the main authority on arthritis, we have arrived at the place we can usher in important insights and effective arthritis treatments through research. Seventy years of experience have taught us that a long view of the new therautic takes time. Today our portfolio maintains a commitment to a long view of therapical progress but is diversified to also identify short-term opportunities to increase the outcomes of people living with diseases today. Through targeted research financing, the Medical Advisory Committee & Scientific Arthritis Foundation continues to focus on expanding our work to include programs initiated by investigators that reveal new ways of supporting people affected by arthritis. These programs will connect patients and research in a more collaborative approach to better outcomes. Today, the Arthritis Foundation is not just a research funder, but an active partner, lending our own talents and channeling volunteers and the vision of critical patients Live Yes! Arthritis Network into a program portfolio that directly supports the arthritis community. This active partnership is more than a silo, it is an active driver of other Arthritis Foundation mission pillars, including advocacy, community programs, help and support, and juvenile commitments of Arthritis. We have an impressive research history. The Arthritis and Rheumatism Foundation, organized in 1948, became the Arthritis Foundation in 1964. Since its inception, the foundation has supported research that strives to improve the lives of people with arthritis. As the timeline shows, the time between the discovery of a new drug or biology and its approval for use may take decades. The foundation embarked on its professional education program by giving funds to support the Seventh International Congress on Rheumatic Disease, sponsored by the International League Against Rheumatism, held in New York City in 1949. One of the highlights of Congress is the presentation of cortisone and adrenocorticotropinal effects (ACTH) on patients with rheumatoid arthritis (RA). This is the first show on cortisary given in international meetings of doctors and scientists whose main interests are studies and treatment of rheumatic diseases. The guidance of an astute mother, Polly Murray, brought Lyme disease to the attention of the Arthritis Foundation and scientists when she recognized an abnormal number of children with pediatric arthritis in her community, including her son. Without the involvement of these patients, the findings that lead to better understanding and treatment for the disease may have taken longer. In the mid-1970s, Lyme disease was recognized as a different disease when a cluster which was originally thought to be rheumatoid juvana arthritis has been identified in three Connecticut cities. Two towns, Lyme and Old Lyme, gave the disease its name. Subsequent work, financed through through Foundation, leads to the recognition of the infectious nature of the disease. Researchers first developed Methotrexate in the 1940s as a treatment for some form of cancer. In the 1950s and 60s, doctors began using this older form of the drug at lower doses to treat psoriasis, psoriatic arthritis, and rheumatoid arthritis (RA). This older form of the drug is difficult to produce, so a newer form is created. This newer form of the drug has been part of rheumatoid arthritis (RA) treatment for at least three decades. For some time, the rheumatology community was hostile to using anti-cancer treatments for RA and doctors refused to submit the results of their clinical studies for fear of rejection from professional journals. However, in the early 1980s investigators began publishing their results. In the 1980s, AF was behind the earliest clinical trials that established the stage for methotrexate to be the main accommodation of ra treatment. A study funded by the Arthritis Foundation, methotrexate dos low in rheumatoid arthritis. (K. Steinsson, et al) was published in the Journal of Rheumatology in late 1982. This study, together with other similar studies, provides data that leads to the approval of drugs to treat arthritis. In 1988, methotrexate won FDA approval to treat RA, and soon became the treatment of choice for people with this condition and other forms of inflammatory arthritis. Only a handful of foundations can draw a direct link between their work and FDA-approved therapies. Using the Arthritis Foundation's research study in the early 1980s, Dr. Bill Arend examined the role of interleukin protein (IL)-1 in rheumatoid arthritis (RA) - which was welcomed in the biological era that led to the development of etanercept (Enbrel), anakinra (Kineret), and this biological sekuuminab owes their creation to important discoveries financed by the Arthritis Foundation. Enbrel is a biologist that treats autoimmune diseases by acting as a perencat factor of tumor necrosis (TNF). TNF-alpha is one of the main regulatory bodyguards of immune response (inflammation) in the body. Autoimmune diseases are caused by overactive immune responses. Enbrel prevents immune responses caused by TNF-alpha. It is used to treat ankylosing spondylitis, idiopathic juvana arthritis, psoriasis, psoriatic arthritis, and rheumatoid arthritis. North American Rheumatoid Arthritis Consortium (NARAC) is a group of researchers across the United States who conduct research on genetic rheumatoid arthritis. Employed by the National Institutes of Health and the Arthritis Foundation, NARAC maintains a database and repository of serums and DNA that serve as a source for the entire community to enable a comprehensive analysis of the genetic framework to rheumatoid arthritis. Kineret is a biology used to treat rheumatoid rheumatoids It is a slightly modified version of interleukin (IL)-1 that acts to prevent an immune response. The Research Alliance of Arthritis and Childhood Rheumatology (CARRA) forms the Arthritis Research Alliance & Child Rheumatology (CARRA) is a pediatric rheumatology organisation committed to advancing the health and quality of life of children living with rheumatic diseases. With financial support from the Arthritis Foundation, the American College of Rheumatology (ACR) and others, CARRA's network of pediatric rheumatological research centers provides accessible entry points for patients and families across the United States and Canada to participate in research studies and new therapy trials. This biology binds the protein interleukin (IL)-17A and prevents the immune response. Cosentyx was awarded the 2016 United States Galien Prix Award for Best Biotechnology Product. The Galien Prix Award is equivalent to the Nobel prize pharmaceutical industry, given for innovative medical research. The Arthritis Foundation now supports its Scientific Initiative program to provide funding that goes to the development and launch of four specific initiatives. Advocating Osteoarthritis Treatment Affecting more than 30 million Americans, Osteoarthritis remains a major issue and a serious condition. We are determined to learn more about this terrible disease and assistance in the development of new treatments and novels. Cultivating a New Generation of Rheumatologists The growing lack of rheumatologists - experts devoted to diagnosis and therapy of rheumatic diseases - creates more obstacles to take care and negatively impact the patient's quality of life. Creating incentives, such as our fellowship program, will increase the number of medical students choosing rheumatology. Conquer childhood Arthritis Arthritis Arthritis Arthritis Foundation partners with the Arthritis Research And Childhood Rheumatology Alliance (CARRA) to not only fund research for disease treatment options, but also to activate the involvement of large-scale patients to compare the effectiveness of different treatments in the short and long term. Working with Patients for Better Real Health, patient-centered care is essential in ensuring better health outcomes. Our digital data exchange will allow patients to record symptoms, problems and challenges in real time – with results sent directly to their doctors. Inter-visit communication will enrich the care plan produced by doctors and patients. The Arthritis Foundation created Live Yes! Arthritis Network to connect better patients, families, and carers to a strong support network for people living with arthritis to manage stress, live with less pain, and control their healthcare by becoming more active in their care. This network is built based on our existing resources/programs launched a forum driven by a new online community topic and peer-led local support group that provides connections, education, and empowerment to adults living with arthritis and parents/carers of children living with arthritis. The objective of this program is to inform or influence gaps in research and research strategies. By connecting people with arthritis to life-changing resources and connections, Live Yes! Arthritis Network aims to have a positive impact in three domains: physical, emotional and social health, and care experiences. Live Yes! Insights assessment is a reported data of patients measuring all three domains alive with arthritis: Physical health questions ask patients about fatigue, physical function, pain and sleep. Emotional and social health questions ask about friendship, anxiety, depression, hope, support, and role/social activities. Care experience asks questions about self-advocacy and decision-making shared as partners with healthcare providers. The First View report summarizes the results of nearly 20,000 responses collected in the first year of the program to create a clearer picture of what it's like to live with arthritis. Keep abreast of the latest science financing opportunities, volunteer opportunities and other research collaborations. Cooperation.

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