



## ARTHRITIS: CLASSIFICATION, NATURE & CAUSE - A REVIEW.

Sankar Mitra PhD\*

---

Sepracor Inc, 84 Waterford Drive, Marlborough, MA 01752, USA

Address: Sankar P. Mitra Ph.D, 102, Vassar Street, Worcester, MA 01602

E-mail: [smitra3554@gmail.com](mailto:smitra3554@gmail.com)

\*Corresponding author

Published: December 30, 2013

Received: August 07, 2013

AJBBL 2013, Volume 02: Issue 03 Page 01-19

Accepted: December 15, 2013

### ABSTRACT

---

**This article describes several common features about arthritis regarding nature, various forms and probable causes for its occurrence in a simplified manner. Typically, it is a collection of diseases together nomenclatured as “Arthritis”. Nearly 47 million people in the US alone are suffering from this disease. Globally, it imposes a huge financial burden. Considering medical condition, the disease exerts medium to severe problem at various bone-joints displaying inflammation as a common symptom which often turns serious, incapacitating the individuals through pain, swelling and inflexibility at those affected joints. Statistically, women over the menopausal stage fall as the major victims. Among the victims of either sex, about half suffers from Osteo arthritis (OA). Next in line, are those having the problem of Rheumatic arthritis (RA). Besides OA or RA, other categories of arthritis are also briefly illustrated in addition to their epidemiological survey. But the article emphasizes mainly on OA and RA for their severe role among the major population of sufferers. The likely reasons of developing calcification and its subsequent after-effect resulting in the progression of OA are discussed in semi-detail. Additionally, the role of autoimmune disorder along with its genetic predisposition which triggers the inflammation leading to RA is also included in the discussion. Simplistically, it is concluded that OA creates inflammation after wearing tearing of the cartilage tissue which is mechanically driven whereas RA is created out of the inflammation thereby imposing a problem. In that perspective RA is considered as an inflammatory autoimmune disease**

---