

DMARD in Osteoarthritis

Dr. Sudip Ranjan Deb

Assistant Professor

Department Of Medicine

Dhaka Medical College & Hospital

Disease Modifying Anti-Rheumatic Drugs (DMARD)

Can it be used in Osteoarthritis?

YES/NO



The Answer is...

✓ YES

✓ NO



Types Of Osteoarthritis

1. Generalized Nodal OA
2. Knee OA
3. Hip OA
4. Spine OA
5. Early-onset OA
6. Erosive OA

***DMARDs have been used
with effect in case of only
Erosive OA and ?Knee OA***

DMARDs studied in erosive OA

- Methotrexate
- Hydroxychloroquine
- Oral Gold.

DMARDs studied in Knee OA

- Methotrexate

So far three small studies have evaluated the use of Hydroxychloroquine in erosive hand OA with statistically significant result

So far only one study has evaluated the effect of Methotrexate in knee OA with statistically significant result

Large scale randomized controlled trials are going on in different centers in the USA, Western Europe and Australia

Pitfalls

- ❑ Small study population
- ❑ No large scale randomized controlled trial
- ❑ Still not recommended by American College of Rheumatology (ACR)
- ❑ Still not included in major text books
- ❑ Duration of treatment

New Arena

DMOAD- Disease-Modifying Osteoarthritis Drugs

- ❑ Calcitonin
- ❑ Bisphosphonate
- ❑ Strontium Renelate
- ❑ Doxycycline
- ❑ Cathepsin K inhibitors
- ❑ Anti-IL-1 β
- ❑ Fibroblast Growth Factor 18



Thank You