

INTRODUCTION :

Osteoarthritis (OA) Is a type of joint disease that results from breakdown of joint cartilage and underlying bone. It causes Degenerative arthritis often seeing with aging. However, with aging the new tissue formed is not as healthy and tends to be weaker causing gradual loss of function. Osteoarthritis has three characteristics:

- Bony growths develop around the edge of joints.
- It damages cartilage – cartilage is the part of the joint that cushions the end of the bones and allows easy movement of joints.
- Hyaluronic Acid: Hyaluronan (hyaluronate, hyaluronic acid) is a disaccharide polymer produced by synovial cells. Endogenous hyaluronic acid is produced by type B synoviocytes and fibroblasts in the synovium and is released into the joint space. Hyaluronic acid, within synovial fluid, has viscoelastic properties with two distinct mechanical functions depending upon the shear force applied during movement.

OBJECTIVE :

Study of therapy outcomes when IA Hyaluronic acid Administered alone or with steroids in Osteoarthritis.

METHODOLOGY :- (i) Research study design: Descriptive study design was used in this study. Descriptive research design was considered best for it is a scientific method, which involve observing, describing recording, analysing and reporting conditions that exists without alterations.

(ii) Target Population: Orthopaedicians

(iii) Sample Size: During the study only 193 respondents filled questionnaire.

(iv) Study Area: Jaipur (North Rajasthan), Surat (South Gujarat), Ahmedabad (North Gujarat).

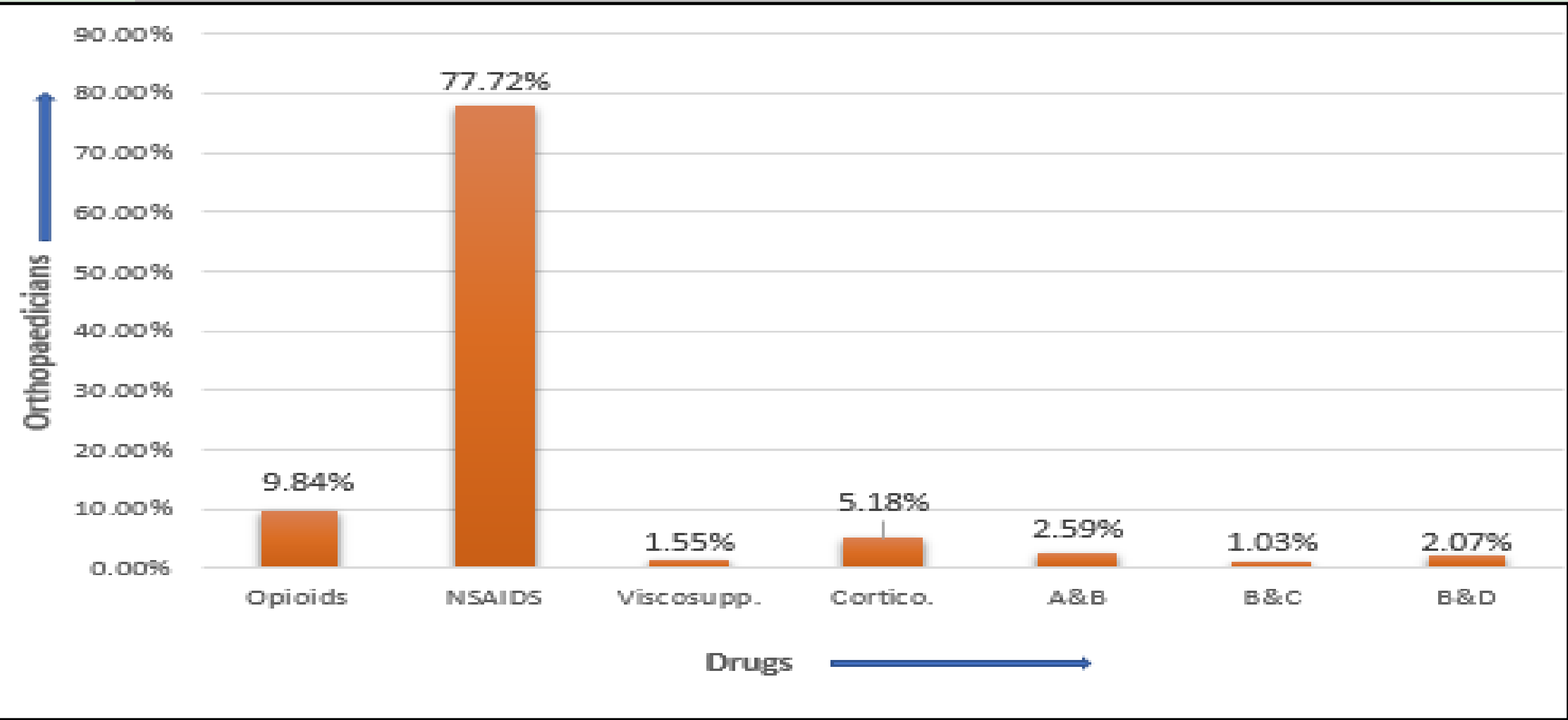
(v) Time Period: 3 April 2017 - 2 June 2017

(vi) Sampling Technique: The researcher used Non-Probability (convenience) sampling to get the sample size.

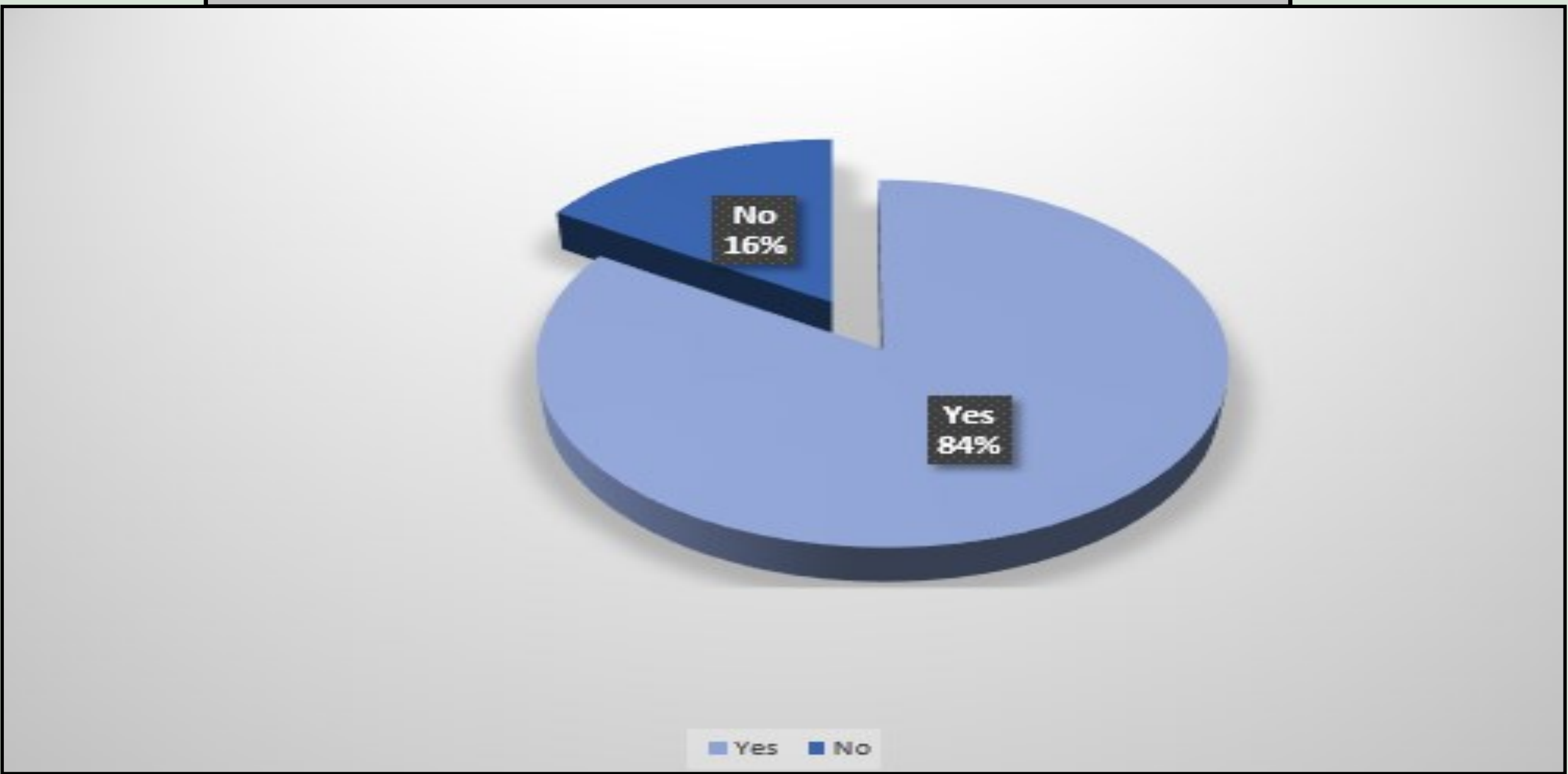
(vii) Instruments: The researcher main instruments for data collections were mixed ended questionnaires, semi structured interviews and secondary data collection.

Data Analysis and Interpretation

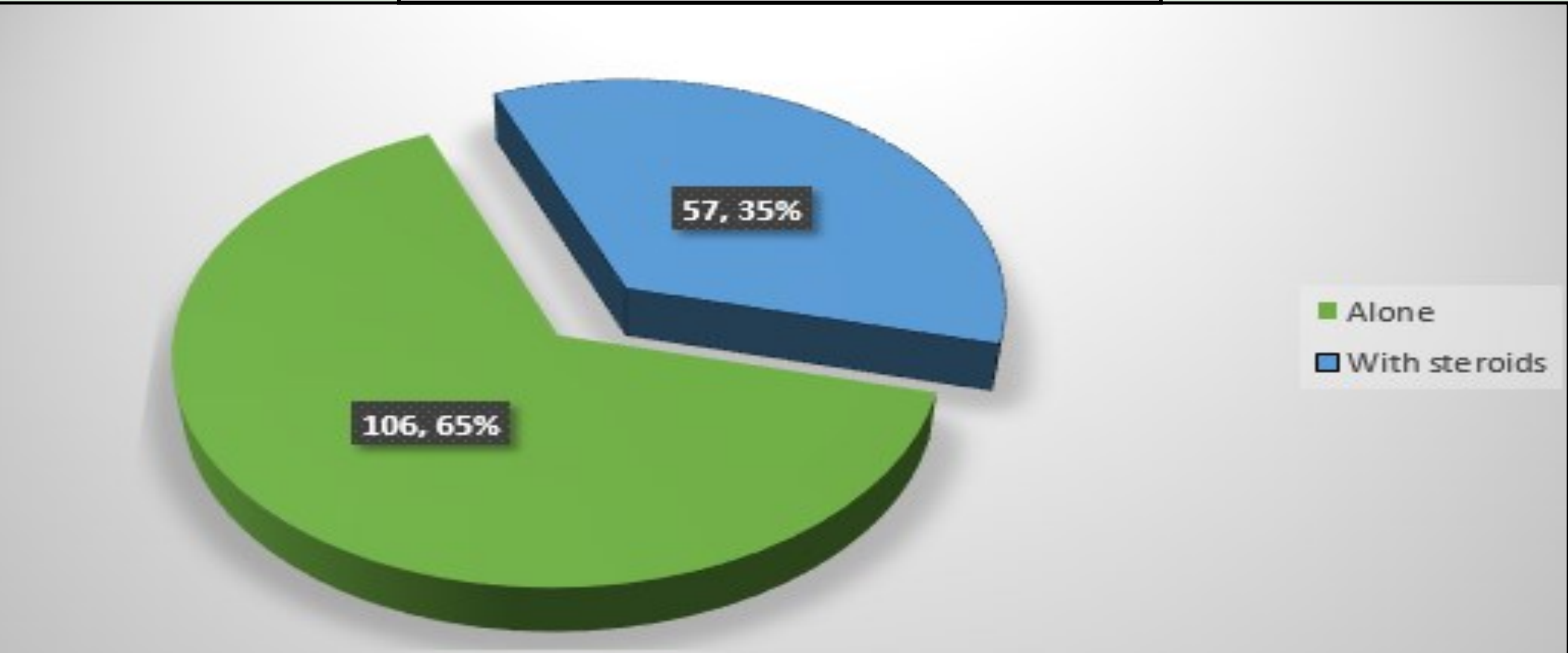
What is Orthopaedicians first line therapy preferences for severe osteoarthritis?



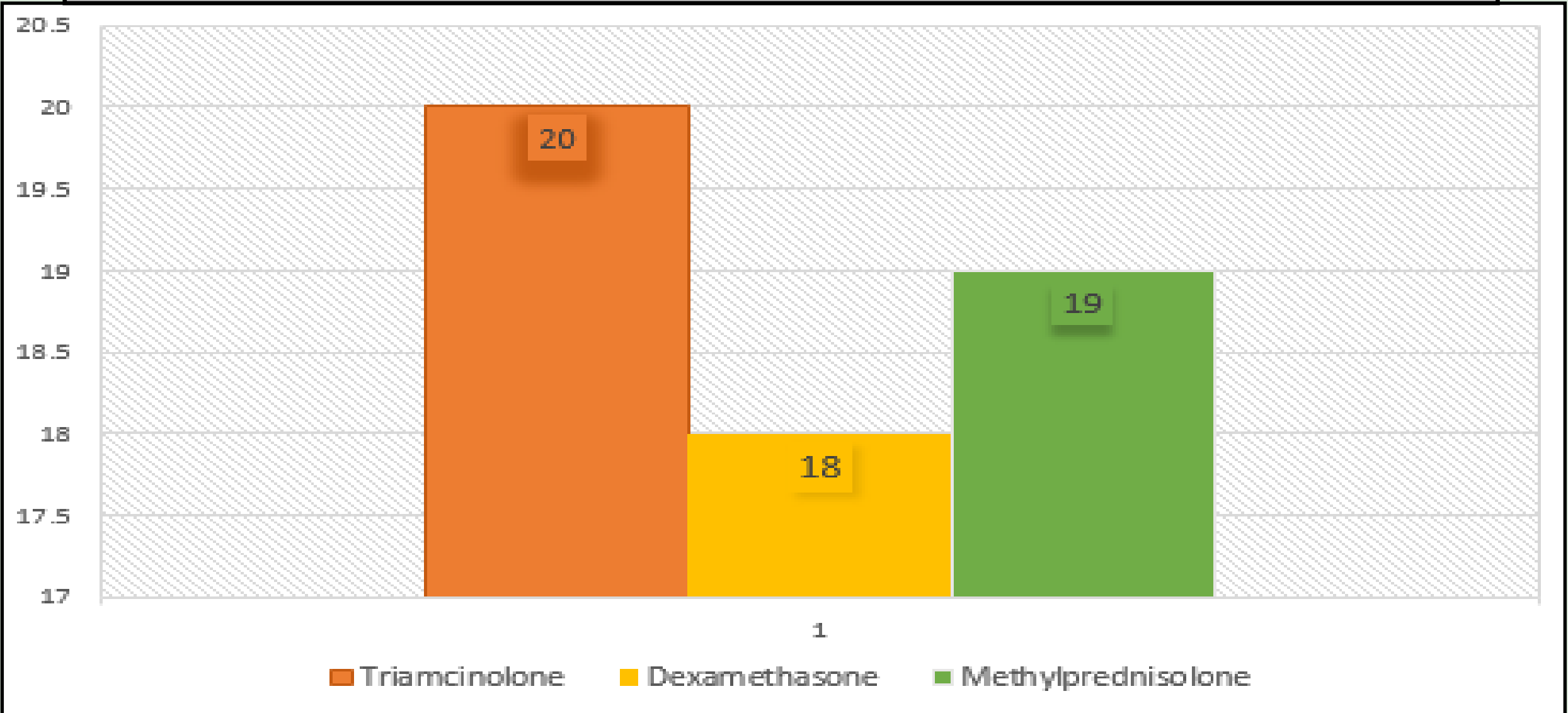
Do Orthopaedicians prefer Hyaluronic acid?



How do you use Hyaluronic acid ?



Which is your preferred IA steroid when given along with HA?



SUGGESTIONS

- Hyaluronic acid having more life long durability and changes life modification of OA patients.
- Hyaluronic acid used along with steroids having more therapeutic efficacy as compared with using alone because:
 - (i) HA provides Lubrication, elasticity and cushioning of joints.
 - (ii) treats inflammation and provides fast relief and cushion.

CONCLUSION

- Orthopaedic surgeons preferred economical condition and safety compliances of patient to prescribe the NSAIDS.
- It proves clinically that Hyaluronic acid with steroids provides fast short- term pain relief within days of injection and strong safety profile in both an initial injection as well as repeat injection.