On-the-spot transport media for the freshly biopsied soft tissue specimen

Universal Transport Media

Formalin

RESUI

Quest for

ON-THE-SPOT SUBSTITUTES ?????



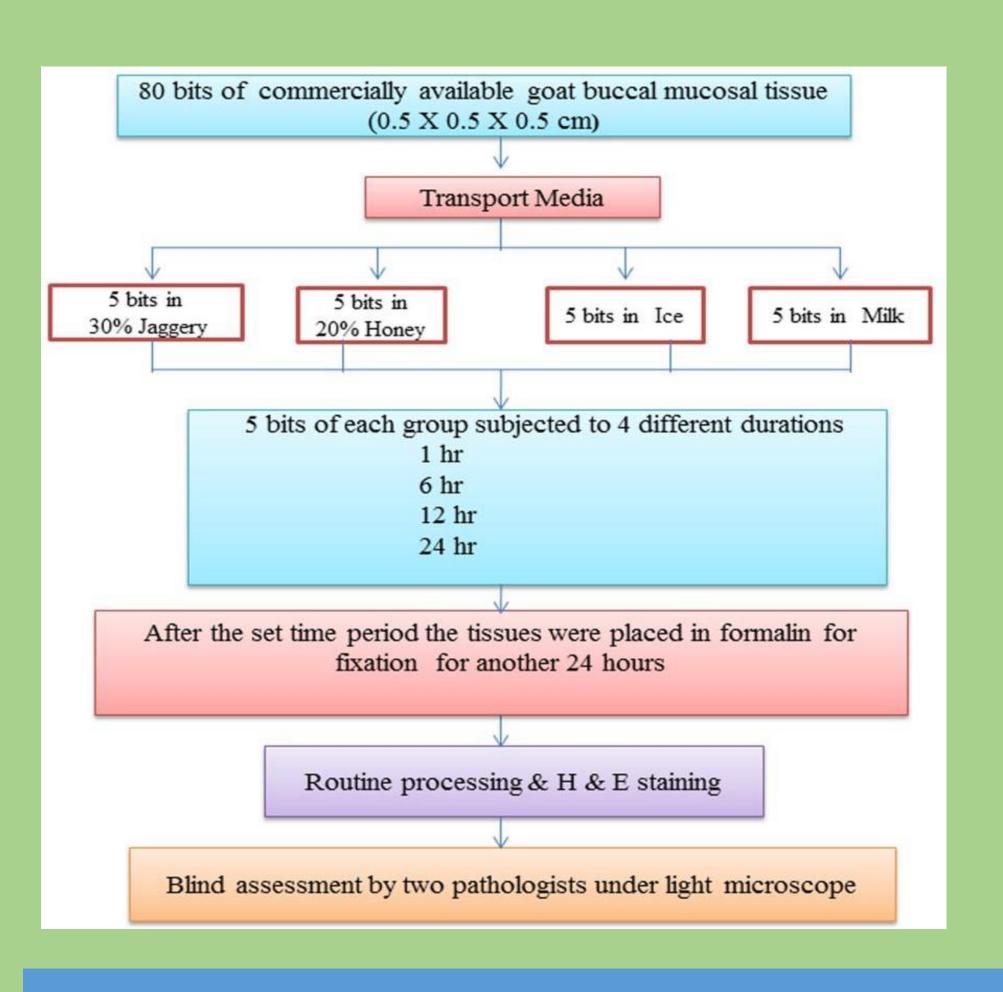
BACKGROUND

OBJECTIVE

To evaluate and compare the quality of the biopsied soft tissues preserved in various transport media at mentioned intervals (1 hr, 6 hr,

12 hr and 24 hr).

MATERIALS AND METHODS



TEST GROUPS







CRITERIA

SCALE

Cellular outline

1- Poor

Cytoplasmic Details 2- Satisfactory

Nuclear Details Staining quality

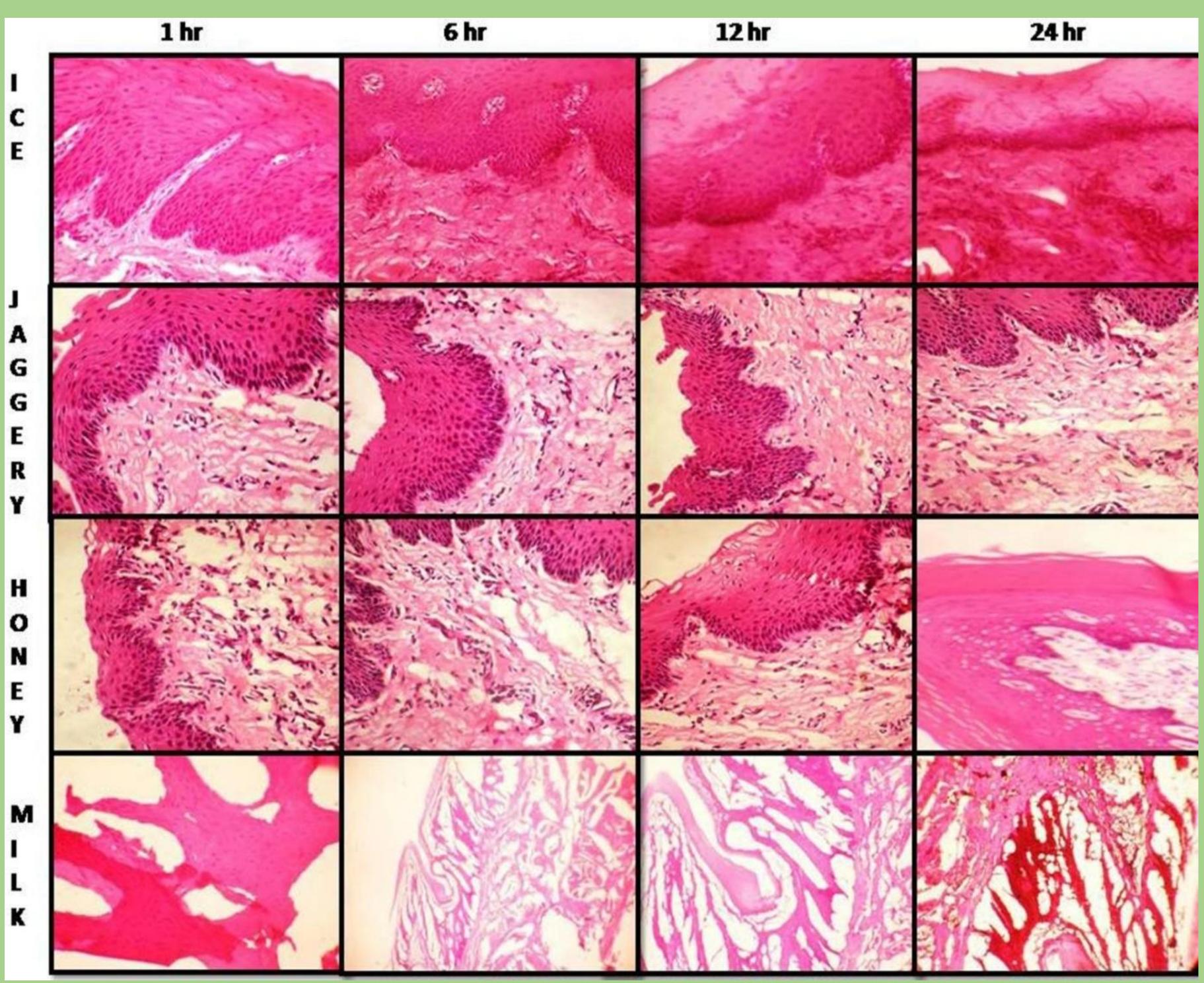
3- Good

Overall Morphology

4- Excellent

REFERENCES

- Patil S, Premalatha B R, Rao R S, Ganavi B S. Revelation in the Field of Tissue Preservation – A Preliminary Study on Natural Formalin Substitutes. J Int Oral Health 2013; 5(1):31-38.
- Patil S, Rao RS, Agarwal A, Raj AT. Instant transport media for biopsied soft tissue specimens: A comparative study. Scientifica. 2015 Feb 22;2015.
- Rahma AI-Maaini, Philip Bryant. Honey as an Alternative to Formalin in the demonstration of Connective Tissue Components. J Histotechnol. 2008; 31(2):67-72.



FEATURES	JAGGERY
DESCRIPTION	If pure clarified sugarcane juice is boiled, what is left as solid is jaggery.
TOTAL SUCROSE CONTENT	65-85 %
WATER CONTENT	10- 12%
USAGE	Traditional Indian sweetener
AVAILABILITY	India, Pakistan, Mexico, South America, Burma, African countries, Srilanka, Thailand

JAGGERY A BREAKTHOUGH IN TRANSPORT MEDIA/FIXATION MEDIA!!!!!!

- ✓ Easily Available
- ✓ Non-toxic
- ✓ No problem of disposal
- ✓ Excellent clarity of tissues
- ✓ Compatible with routine processing and H&E staining

CONCLUSION

- provided optimal tissue preservation, Jaggery comparable to formalin fixed tissues
- ✓ We endorse the use of jaggery for transport media for freshly biopsied soft tissue specimens,

AUTHORS- 1- Snehashish Ghosh, 2- Roopa S Rao, 3- Manoj Kumar Upadhyay, 4- Shankargouda Patil

- 1- Assistant Professor, Department of Oral Pathology M.B. Kedia Dental College Pvt. Ltd Birgunj, Nepal.
- 2- Professor, Department of Oral Pathology, Faculty of Dental Sciences, Ramaiah University of Applied Sciences, Bangalore, India. 3- Associate Professor, Department of Conservative Dentistry and Endodontics, M.B. Kedia Dental College Pvt. Ltd Birgunj, Nepal.
- 4- Associate Professor, Department of Maxillofacial Surgery and Diagnostic Sciences, Division of Oral Pathology, College of Dentistry, Jazan University, Jazan, Saudi Arabia