

ASSESSMENT OF STEM CELL UTILIZATION IN ROUTINE DENTAL PRACTICE

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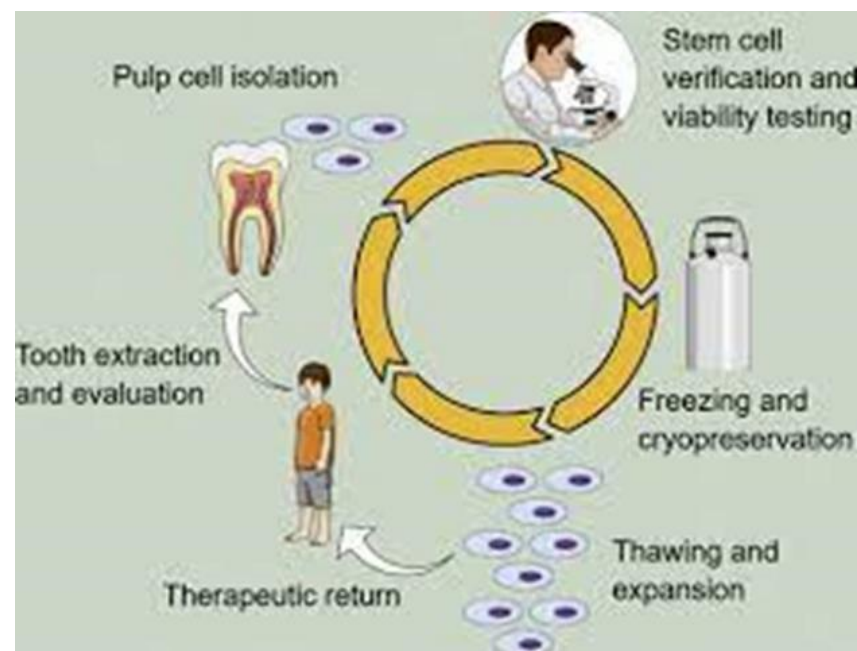


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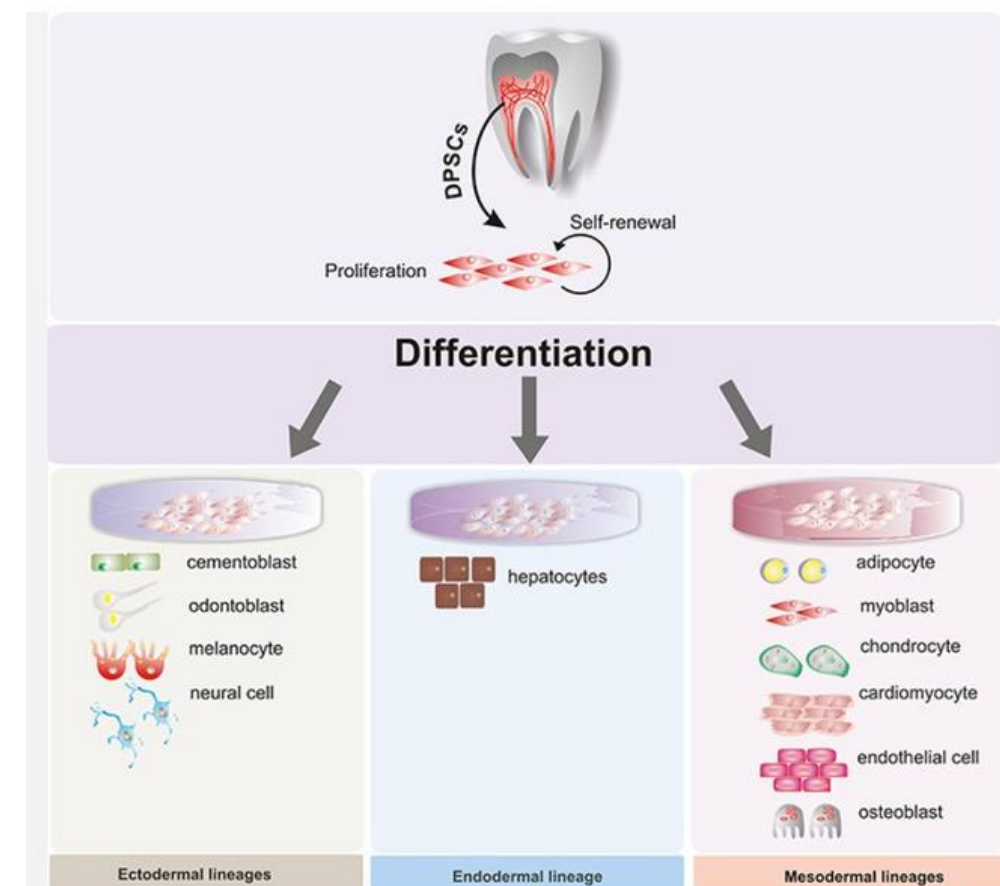
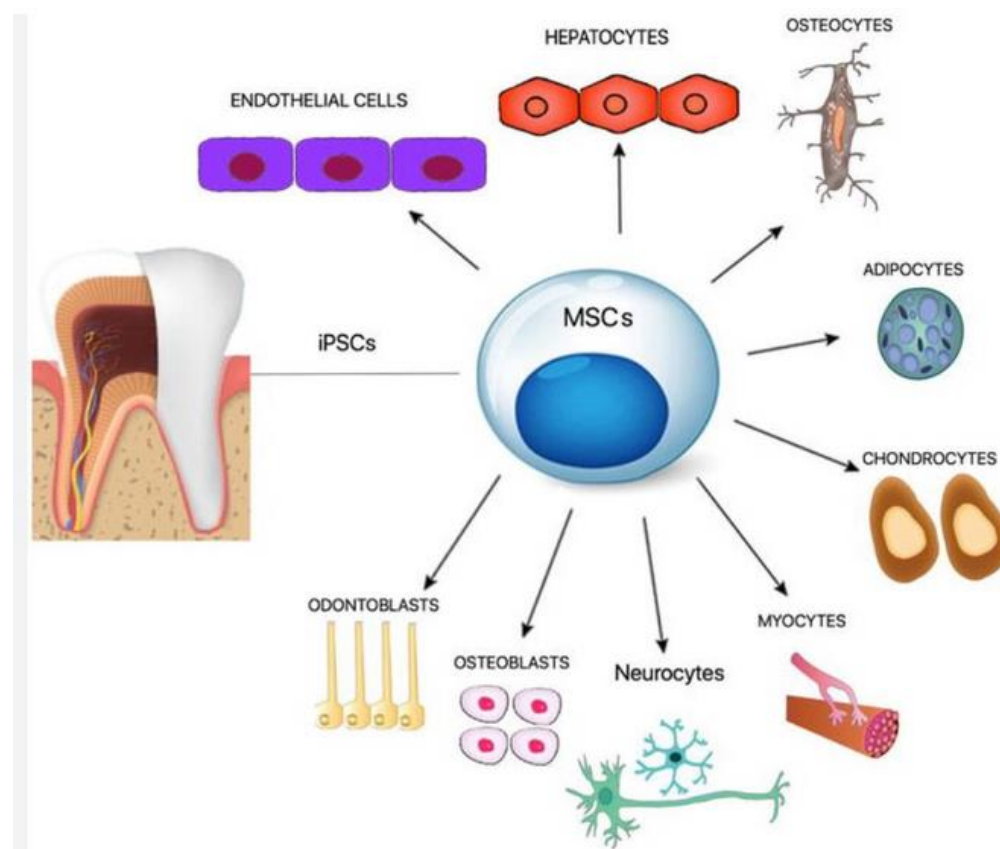
OBJECTIVES:

THIS RESEARCH AIMS TO INVESTIGATE THE FEASIBILITY OF UTILIZING STEM CELLS IN DENTAL MEDICINE WITHIN OUR COUNTRY.



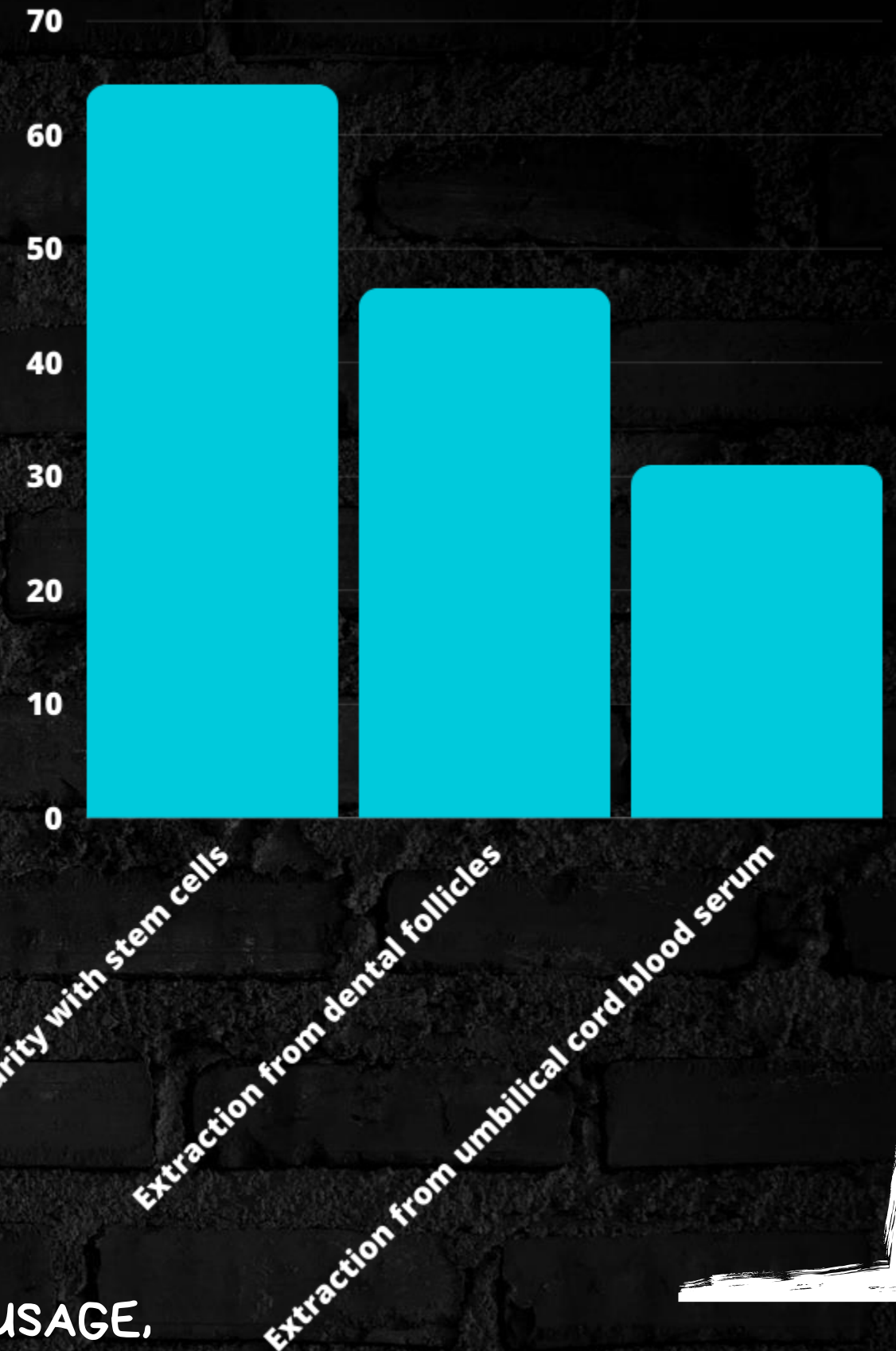
MATERIALS AND METHODS:

A TOTAL OF 90 DENTAL PRACTITIONERS FROM THE REPUBLIC OF NORTH MACEDONIA PARTICIPATED IN THIS STUDY. THEY WERE SURVEYED REGARDING THEIR KNOWLEDGE AND AWARENESS OF STEM CELL USAGE IN DENTISTRY, USING A QUESTIONNAIRE ADMINISTERED TO ALL RESPONDENTS.



RESULTS AND DISCUSSION

OUT OF ALL PARTICIPANTS, 64.44% EXHIBITED FAMILIARITY WITH STEM CELLS AND THEIR POTENTIAL APPLICATIONS. MOST RESPONDENTS WERE ACQUAINTED WITH STEM CELL ISOLATION TECHNIQUES, WITH 46.55% BEING FAMILIAR WITH EXTRACTION FROM DENTAL FOLLICLES AND 31.03% WITH EXTRACTION FROM UMBILICAL CORD BLOOD SERUM. NOTABLY, NONE OF THE PARTICIPANTS INDICATED THAT THESE PROCEDURES WERE UNAVAILABLE AT THEIR DENTAL PRACTICES.



CONCLUSION:

WHILE DENTAL PRACTITIONERS DEMONSTRATE AWARENESS OF STEM CELL USAGE, THEY OFTEN DO NOT INFORM PATIENTS ABOUT THIS TREATMENT OPTION, PRIMARILY DUE TO LACK OF PATIENT EDUCATION, PATIENT SKEPTICISM, AND THE ASSOCIATED HIGH COSTS.