ANGIOGENIC POTENTIAL OF ORAL CAVITY DERIVED MESENCHYMAL STEM CELLS AND ITS SECRETOMES: A SYSTEMATIC REVIEW

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Angiogenesis + Stem Cells = Powerful Tool

FOCUSSED QUESTION:

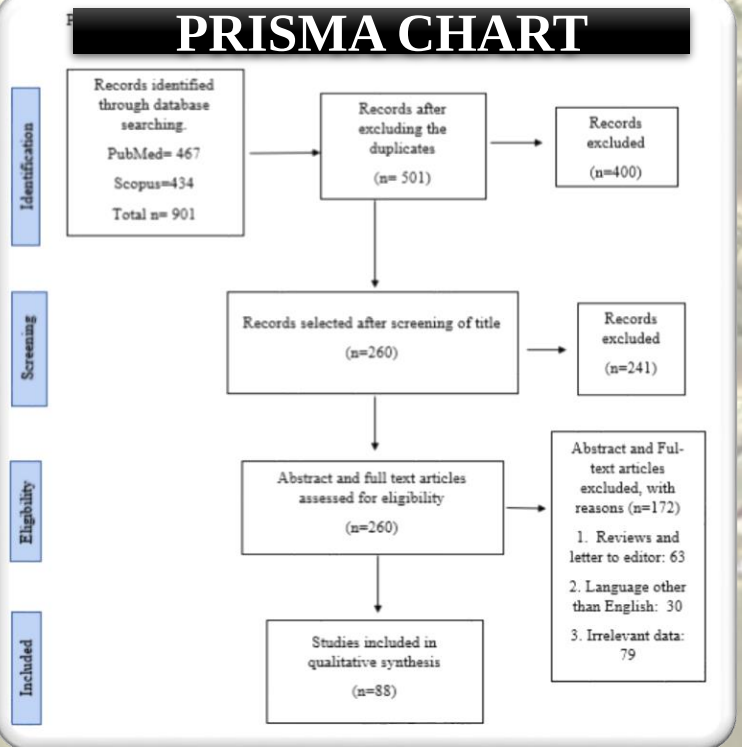
Which is the best oral source of Mesenchymal stem cells for augmenting angiogenesis at the implanted site?

OBJECTIVE:

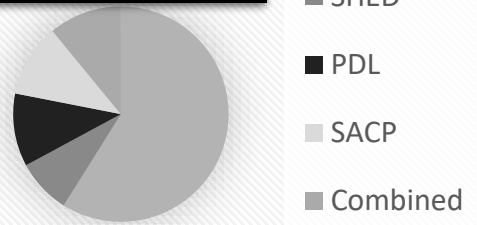
To evaluate the efficiency of Mesenchymal stem cells derived from various oral sources in predicting the best possible source.

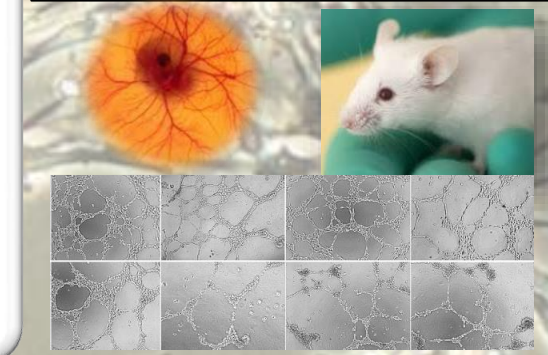
Sr. No	Search Strategy	No. of articles from PubMed	No. of articles from Scopus	No. of selected articles.
1.	dental stem cells AND angiogenesis	316	314	69
2.	dental stem cells AND angiogenic potential	115	75	12
3.	dental stem cells AND angiogenesis AND conditioned media	22	30	0
4.	dental stem cells AND angiogenic potential AND conditioned media	14	15	0
TOTAL		467	434	81

PRISMA CHART



RESULTS





Different parameters were assessed for evaluating angiogenesis, both cells as well as conditioned media.

Cell lines, conditioned media, in vivo, drug modified, in Ovo and culture conditions under inflammatory micro-environment parameters.

Foundation for differentiation into other tissue types, namely bone, cartilage, neurons, tooth etc.

Greater potential for angiogenesis is provided by SHED and PDLSCs compared to that of the dental pulp.

Presented By:
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