

## Licensing and Technology Transfer Opportunity: Manipal University

Title of Technology Available: saliva ejector

Brief Description of Invention: A universal size self-holding saliva ejector adjustable according to the oral cavity and treatment needs.

Brief Background of Invention: Saliva ejection is used to remove the water and saliva accumulated during dental procedures. It is essential to maintain a water free working environment for good visibility and to prevent water splash. Self-holding saliva ejector is a hand free saliva ejector which omits the need of an assistant as well as the asking the patient to hold the tube. It is designed such a way that is both universal for everyone and modifiable according to treatment needs further more maintaining the rate of flow similar to conventional method.

Describe the final product: self-holding saliva ejector has some parts made of hard plastic and some made of soft plastic therefore provides it shape and ability to modify respectively. On one end it attaches to the suction system and on the other a modifiable suction tip. The design of the sproduct enables a stable hold to mouth.

Technological Domain (Keywords): saliva ejector, self-holding, suction tube, modifiable.

Proof of Concept: the prototype is under clinical trial.

Stage of Development: Prototype

Provide Information on Competitors who manufacture and/or sell similar products:

Euronda, Denmax, First-class and ADA-dental are some companies which sell saliva ejectors, no known self-holding saliva ejectors are commercialized.

What are the unique advantages your innovation has compared to the competition?

<b>Self-holding saliva ejector</b>	<b>Conventionally used saliva ejector</b>
Need not be held throughout the procedure	Needs to be held throughout the procedure
No need of assistant	Need of assistant
Can be adjusted according to anatomy of Oral cavity	Cannot be adjusted.
Orientation of the suction tip can be changed without much problems.	Due to the memory of copper wire it is difficult to change orientation.

No need to give patient instructions on how to hold the tube.	Instructions need to be given.
Efficient Suctioning throughout the procedure, therefore neat and clean working area.	Suctioning might get hampered if the patient takes out the equipment by mistake.
Better infection control	Infection control might get hampered if the saliva ejector touches some other thing, even patients hand.

Have you approached any company/industry to manufacture/license/and sell your invention?

None.

Any other information that might be useful:

Intellectual Property Status: patent filed.

Manipal Academy of Higher Education