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(57) Abstract :

The present disclosure provides a solution to the limitations associated with maintaining oral hygiene. More particularly, the present disclosure provides a portable, breathable, disposable, biodegradable and medicated nano sponge based finger sling device (100) for maintaining oral hygiene of subjects including but not limiting to long-distance travellers, globetrotters, on duty army personnel and astronauts. The finger sling device (100) comprises of a first hollow member (200) for inserting index finger and external surface of the first hollow member (200) is configured with medicated bristles (200a). Also, the device (100) comprises of a second hollow member (300) for inserting thumb and external surface of the second hollow member (300) is optionally configured with medicated bristles (300a). The medicated bristles (200a) and (300a) of the first hollow member (200) and the second hollow member (300) respectively are loaded with a sustained release synergistic nanosponge composition comprising chlorhexidine, clove oil and cinnamon oil.

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