



Table S1

Survey of knowledge, attitude, and practice of healthcare workers in oral care of elderly of long-term care institutions

I. Knowledge According to my understanding, ...		Yes	No	Don't know
1	Oral health is directly related to general health.			
2	Fluorides can help protect dental health.			
3	Toothbrushing should be done in the morning after waking up and before bed at night every day.			
4	Sugary food, eg candy, increases the risk of tooth decay in residents.			
5	Dental plaque can cause gum diseases and dental caries.			
6	Medication is one of the common reasons for dry mouth.			
7	Dry mouth increases the risk of oral problems.			
8	Interdental cleaning aids, such as dental floss and interdental brush, can be used to clean the adjacent tooth surfaces.			
9	Mouth rinsing can replace toothbrushing.			
10	It is normal that the residents feel toothache and sores in their mouth.			
11	Denture can totally replace natural teeth.			
12	Denture should be taken out at night, cleaned and soaked.			
13	It is normal to lose teeth as one gets old.			
14	Unfit denture may indicate serious oral problems.			
15	Annual dental check is as important as body check.			
16	Dental plaque does not form on denture.			
17	Residents with no teeth need to have dental check regularly.			
18	The residents with full denture only need mouth rinsing.			
19	Residents with tubing for feeding need oral care.			

II. Attitude		Strongly disagree  Strongly agree				
Upon my opinion, I think...		1	2	3	4	5
1	Daily oral care is an essential procedure.					
2	Independent residents should clean their dentures by themselves.					
3*	When I am busy, I tend to ignore oral care to residents.					
4*	Oral care is an unpleasant task.					
5	Oral care training for residents can improve my practice skills.					
6*	I would perform other care procedures instead of oral care procedures to the residents.					
7*	It is normal if the gum bleeds while doing oral care to a resident. There is usually no need to follow up.					
8*	I will only perform oral care to residents who are willing to open their mouth.					
9	Oral care to residents is my duty.					
10	I will assist residents to perform care if they have difficulty.					
11*	I am willing to spend time on oral care for each resident.					
12	If a resident requests to see a dentist, I am responsible to arrange for making corresponding arrangements.					
13	The outreach dentist programme is helpful in assisting us to deliver oral care to the residents.					

III. Practice In the past 3 months, ...		Strongly disagree  Strongly agree				
		1	2	3	4	5
1	I will assist all residents in their toothbrushing or wiping their mouths at least once in my shift.					
2	While I am performing oral care, I will brush the resident's teeth.					
3	While I am performing oral care, I will brush the margin between teeth and gum.					
4	While I am performing oral care, I will brush the resident's tongue.					
5	I use interdental brush to clean adjacent tooth surfaces for residents with large space between teeth.					
6	I will not perform oral care to residents if there is a risk of choking during the procedure.					
7	I always perform oral care according to the instruction of my unit head or the protocol at my workplace.					
8	While performing oral care, I will do oral assessment for the resident.					
9	I will refer residents with oral problems to a dentist.					
10	I will inform my senior when I have found oral problems in the resident.					
11	I can find adequate equipment to perform oral care to residents in my workplace.					

Thank you very much!