Reduce The Occurrence Of Technicians Sustaining Injuries While Handling Handpiece

Singapore Healthcare Management 2019

INTRODUCTION

Dental handpiece is an important tool for technician and is used on a daily basis. Our team noticed a trend of increasing injuries sustained by technician when operating dental handpieces.

CURRENT SITUATION

Example of injuries sustained by technicians

OBJECTIVE

• Reduce or eliminate the accidents due to clogged, badly maintained handpiece in dental lab.
• Educate all dental technicians on the importance of regular maintenance of the handpiece.
• Achieve Zero accident / injury.

METHODOLOGY

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<tr>
<th>Problem</th>
<th>WHY?</th>
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<td>Injured while using handpieces</td>
<td>Unstable burs, unsafe.</td>
<td>Burs not fully inserted into handpiece.</td>
<td>Dust and wax clogged up the handpiece.</td>
<td>Did not clean properly.</td>
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Root Cause: No Proper Training on handpiece maintenance

Interventions introduced on 26th Oct

RESULTS

Monthly Injury Occurrence

Survey on technicians showed high preference for video and poster as a training medium.

RESPONDENT: 33

CONCLUSION

Interventions had been spread to all dental labs in NDCS. New staff and trainee will be given training to ensure the results can be sustained.

By educating all staffs on the importance of regular maintenance of the handpieces, dental lab managed to achieve the target of 0 injuries for 5 consecutive months.