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INTRODUCTION

The team comprising of dental assisting staff from GSDC Level 1 started looking into the issue of meeting environmental requirement, staff safety and table top not being esthetic which will require high cost labor to remove the stain. In particular of the yellow stains on the table top in the decontamination room reported by staff and direct contact and inhaling of hazardous vapour. Thus, the team came together and embarked on this continuous improvement initiative to focus on achieving failing environmental audit result and staff health issue.

INTRODUCTION OF BIOSPOT

Effervescent Chlorine Tablets (BIOSPOT) is a colorless chemical disinfectant that is used for disinfecting dental impressions, models and appliances.

PROBLEM

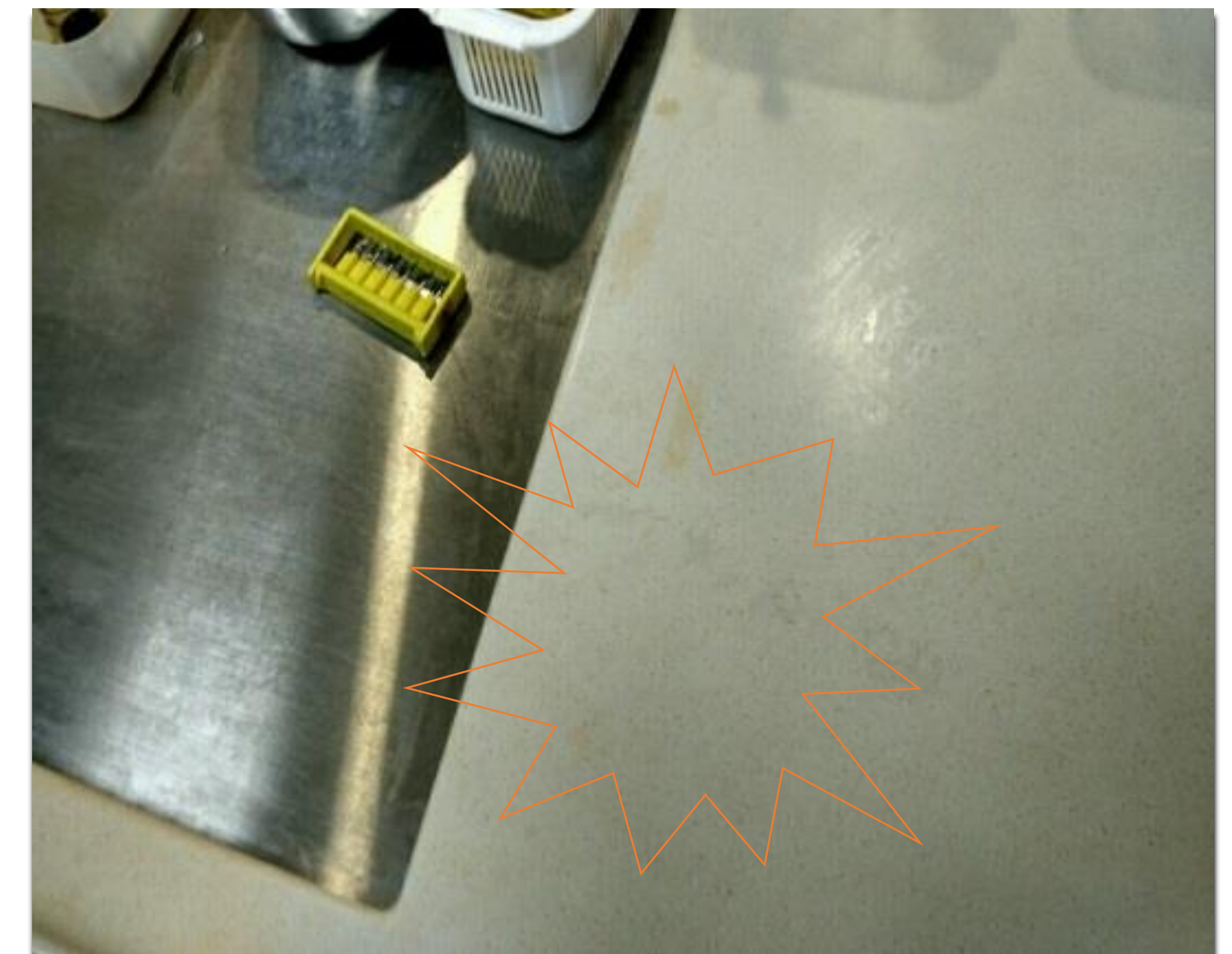
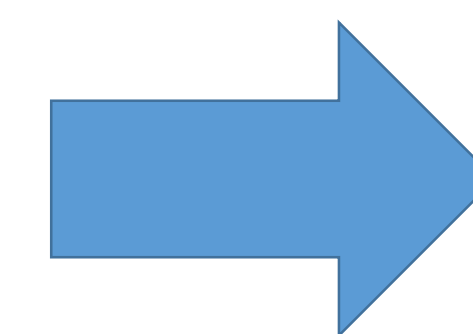
Chemical spillage occurs during the process of transporting the dental models from the disinfectant container to the patient's model box.

UNDERSTANDING ROOT CAUSES

During the process of disinfection, BIOSPOT drips onto the table top and leaves a yellow stain on the table top. As BIOSPOT is colorless, it cannot be distinguished from water. Therefore, staff is exposed to hazardous vapour from it.

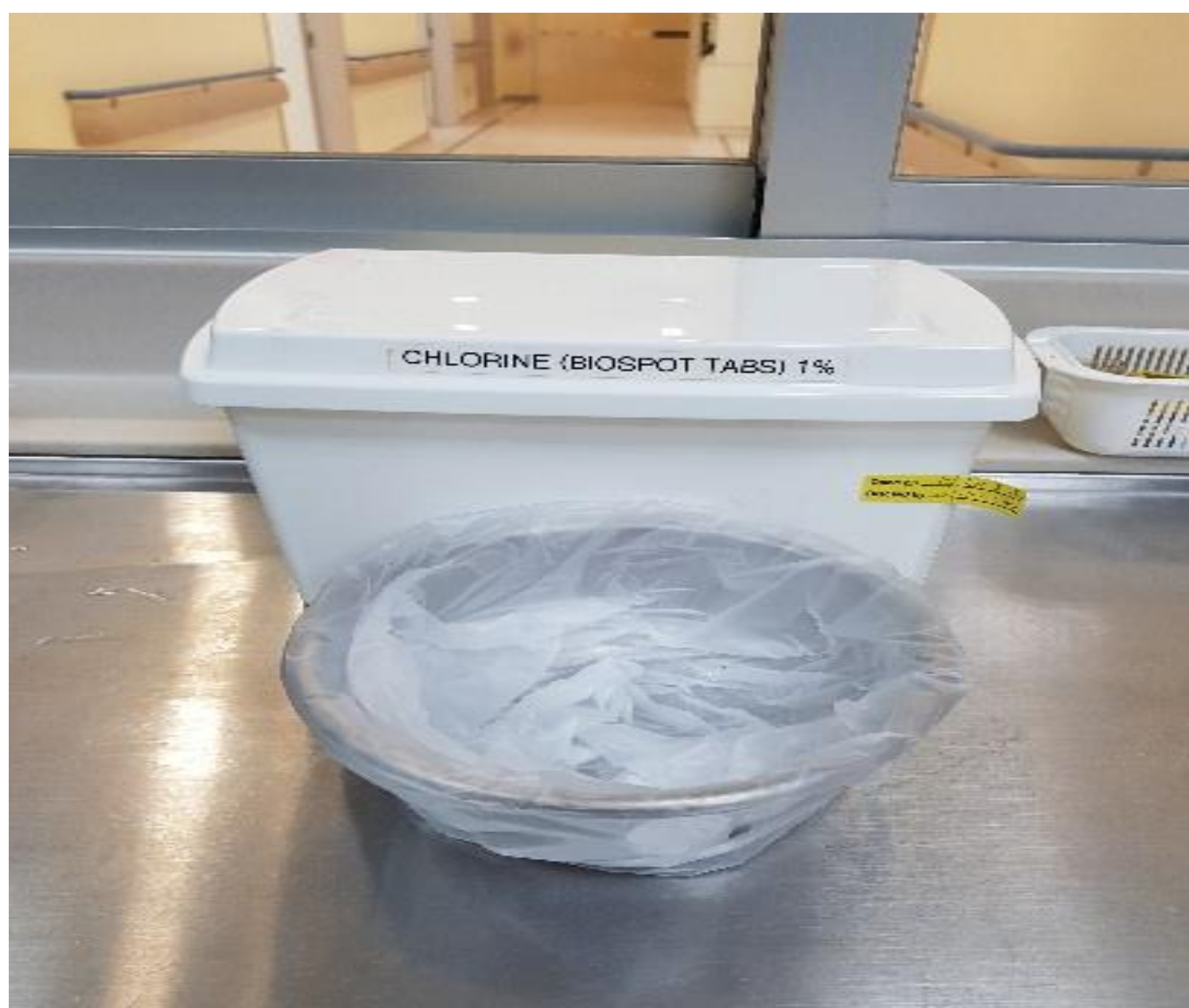
OBJECTIVES

- To achieve ZERO occurrence BIOSPOT stains on the table top
- To ensure staff's well-being from inhaling hazardous vapour from BIOSPOT



PROPOSED INTERVENTION

- Get a wider coverage to avoid the spillage of BIOSPOT such as bigger bowl or container
- Redesign the workflow/protocols for using the BIOSPOT – use process mapping as a guide with additional steps to existing workflow/protocols



- Mass briefing to GSDC DSAs/HAs through morning roll call or huddle

RESULTS AFTER INTERVENTIONS



Picture taken 1 week after the intervention of new workflow.

SUSTAINABILITY & SPREAD

SDSAs will perform checks twice a day; after lunch and end of the day. As the clinic staff have benefitted from the interventions, the team will leverage on the Dental Assistants monthly meetings to spread the good practices to the other levels in the Centre.

