Material	Characteristics	Advantages	Disadvantages
Impression compound	• Non-elastic • Low viscocity means only mucodisplasive impressions taken	• Easy to use • The same material can be reused and manipulated	• Poor surface detail • Poor dimensional stability • May distort upon removal
Zinc oxide eugenol	• Non-elastic • Mucostatic	• Additions can be made • Good dimensional stability	• Cannot be used in deep undercuts and may distort upon removal • Long setting time in thick sections • Possible eugenol allergies
Intra-oral scanner	• Digital impression taking technique, no materials required	• Accurate static image • No material costs • Digital workflow is more efficient, products return sooner • Same day indirect restorations possible (requires a milling machine)	• Moisture dependent • Border moulding not possible – currently unsuitable for dentures • Requires a large initial investment • Large head, difficult to scan posteriorly • May trigger a gag reflex • Working time ranges from 2-20 minutes depending on the clinician's expertise • Large machine is space occupying • Greater maintenance costs