

DENTAL INSTRUMENTATION Cheat Sheet by ohelinka via cheatography.com/169601/cs/35525/

fundamentals of instrumentation	
Stabilization = correct grasp and fulcrum	more bends in the shank, more area specific
instruments ADAPTATION, ANG	GULATION, ACTIVATION
# indicates the specific design of	the working end and the are of the dentition indicated for use
area specific	only adapts to certain surfaces in certain areas of the mouth
universal	used on any area of the mouth (both anterior and posterior)
weight	lighter handles enhance TACTILE SENSITIVITY and lessen fatigue related to a tighter grasp, ideally less than 15.0g
diameter	6.5mm- 10mm. thin handles can lead to RSI (repetitive stress injury). ergonomic instruments have 10mm diameter
texture	textured provide better control, increase tactile sensitivity
shape	straight: anterior teeth. angled complex: proximal surfaces of posterior teeth
length	most instruments: 35-40mm
rigidity	stronger: remove calculus. flexible: remove fine deposits of calculus
PROBING	
Design, Characteristics	calibrated in millimeter increments (NOT all probes have the same marking patterns)
	blunt, rod-shaped working that may be circular or rectangular in cross section
	working-end and the shank meet in defined angle that is >90 degrees
	stainless steel, titanium or plastic
Function	MAIN detect periodontal pockets to determine the health status of the periodontist
	measure clinical attachment loss
	measure extent of recession of the gingival margin
	measure the width of the attached gingiva
	measure the size of intramural lesions



By **ohelinka** cheatography.com/ohelinka/

assess bleeding on probing

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PROBING (cont)			
	determine mucogingival relationship		
	monitoring the response of the periodontium to treatment		
Probing depth	depth the distance in millimeters from the gingival margin to the base of the sulcus or periodontal pocket as measures with a		
	Base of sulcus is at the junctional epithelium		
	round up to nearest full millimeter		
Healthy State	1-3 mm		
	the probe touches the tooth near the CEJ at the JE		
Disease State	greater than 3 mm		
	probe tip touches somewhere below the CEJ		
MIRROR			
function of	1. indirect to see tooth surfaces or intramural structures that CANNOT be seen using direct vision		

MIRROR		
function of the mirror	1. indirect vision	to see tooth surfaces or intramural structures that CANNOT be seen using direct vision
	2. retraction	hold the pt's cheek, lip or tongue see tooth surfaces
	3. indirect illumination	reflect light onto a tooth surface in a dark area o the mouth
	4. transillu- mination	directing light off to the mirror surface and through the ANTERIOR TEETH (helps aid in detection of inter proximal caries) LOOKING DIRECTLY ON THE TOOTH

CLASSIFICATION OF INSTRUMENTS

assessment mirror, explorer, probes

treatment scalers, hoes, chisels, files,

curets (universal/area specific), powered scalers

N137 SCALER

crowns ONLY

Universal in design, area specific in use

anterior ONLY (sextant 5 mostly)

all surfaces (BEST in proximal surfaces)

N137 CURET

BOTH crowns and roots

Universal in design, area specific in use

Anteriors

ALL SURFACES

204SD "small and dainty"

Scaler

Crowns ONLY

Universal

BOTH anterior and posterior

ALL SURFACES (BEST in proximal premolar and anterior)

N135

scaler

crowns ONLY

universal

BOTH posterior and anterior

ALL SURFACES (BEST in proximal of posterior)

Columbia 13/14

curet

crown and roots

universal

BOTH posterior and anterior

ALL surfaces

Gracey 11/12

curet

crowns and roots

area specific

posterior ONLY

lingual, medial, buccal (everything but the

outer working edge- fattest from the handle

Gracey 13/14

curet

crowns and root

area specific

posterior ONLY

distal surfaces ONLY

inner edge- closest to the handle

Gingival Pocket

Gingival enlargement and coronal migration of the gingival margin

No loss of clinical connective tissue attachment

Junctional epithelium has not migrated apically

Periodontal Pocket

A gingival sulcus that has been deepened by disease; depth is greater than 3mm

Forms from apical migration of the junctional epithelium and of periodontal fibers

EXPLORER

Function determine the health of the periodontal tissues, tooth anatomy and the texture of

tooth surfaces.

detect by TACTILE means, the texture and character if tooth surfaces debone during and after periodontal instrumentation to assess the programs and completeness of instrumentation

Design

flexible metal conduct vibrations form the working end to the clinicians fingers. working- end is 1 to 2 mm in

length and referred to as the explorer tip

explorer up

11/12 Explorer side of the explorer tip is applied to the tooth surface

Surface Assessment supragingival (above the gingival) subgingival (below the in the gingival margin)

Explorer Types Shepard hook, straight, curved, pigtail and cowhorn, orban-type, 11/12 type

By ch

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