

KALKA DENTAL COLLEGE

Department of Periodontology

CLINICAL CASES

Case 1

Frenectomy using parallel incision technique with depigmentation using electrocautery

Operator: Dr Sanjeev Salaria

Assistant: Dr. Rahul Shah (PG)

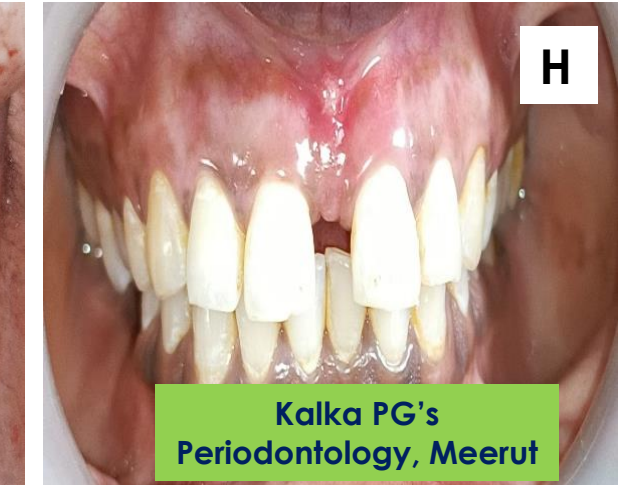
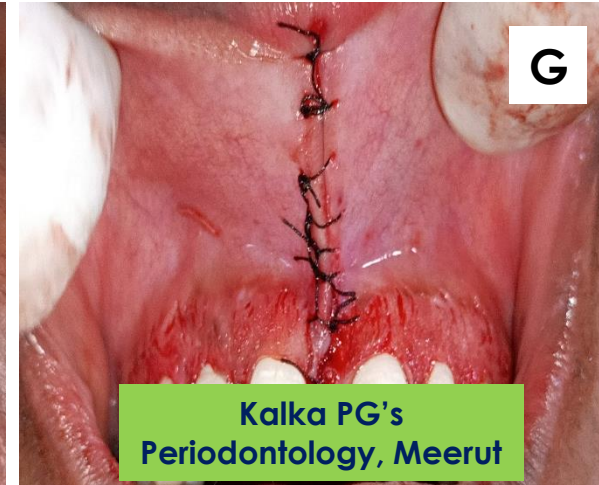
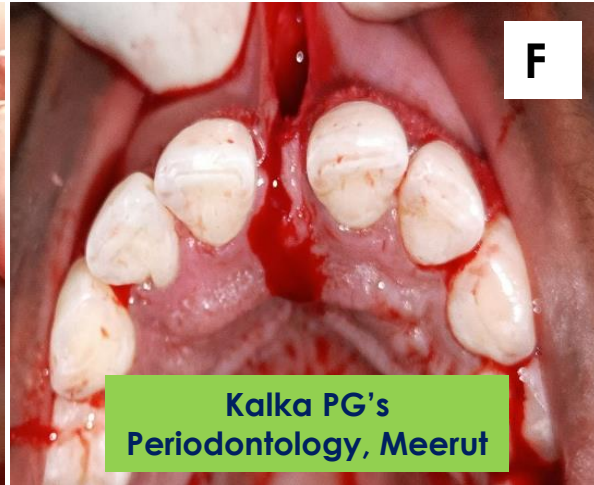
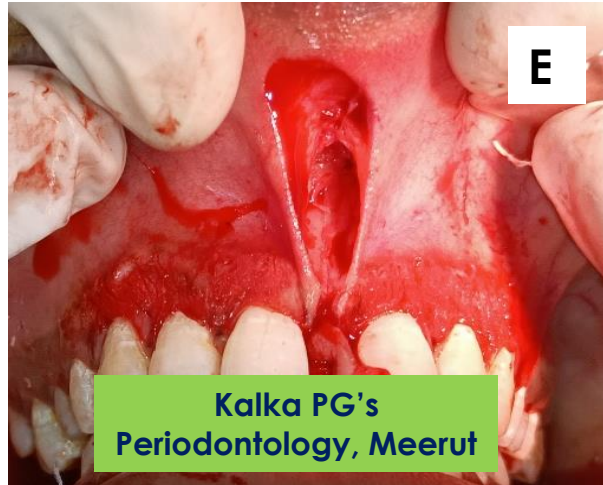
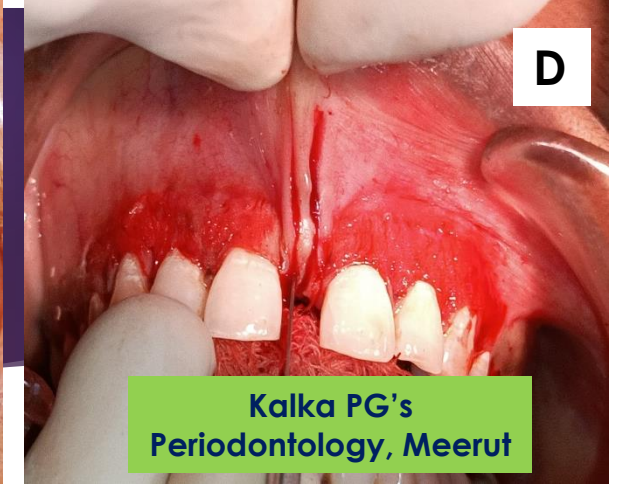
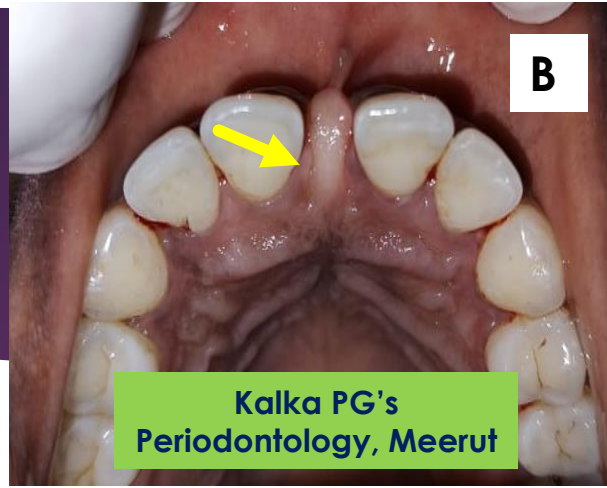
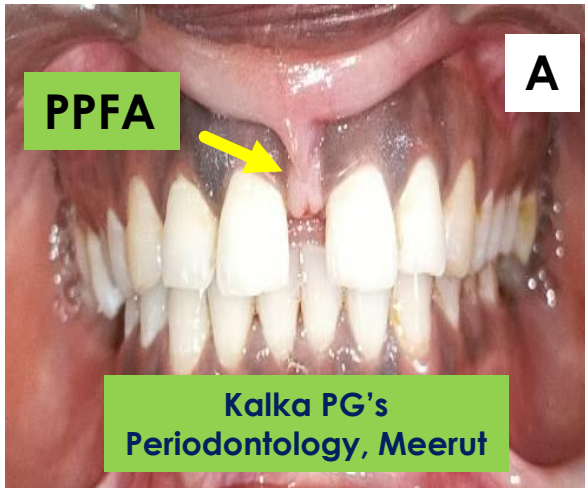
Observer: Dr Pooja Choudhary (PG)

Dr. Shylender V (PG)

Dr. Prashant (Intern)

Dr. Satinath (Intern)

Dr. Simran (Intern)



A. Papilla penetrating frenal attachment (labial view), **B.** Papilla penetrating frenal attachment (palatal view), **C.** Gingival depigmentation using electrocautery, **D.** Frenectomy using parallel incision technique, **E.** Dissection of the muscle fiber, **F.** Incised frenum palatal view, **G.** Sutures placed. **H.** 15 days post operative view.

Case 2

Coronally advanced flap with PRF membrane

Operator: Dr Shivani Sharma

Assistant: Dr Parveen Kumar (PG)

Observer: Dr Pooja Choudhary (PG)

Dr Shylender V (PG)

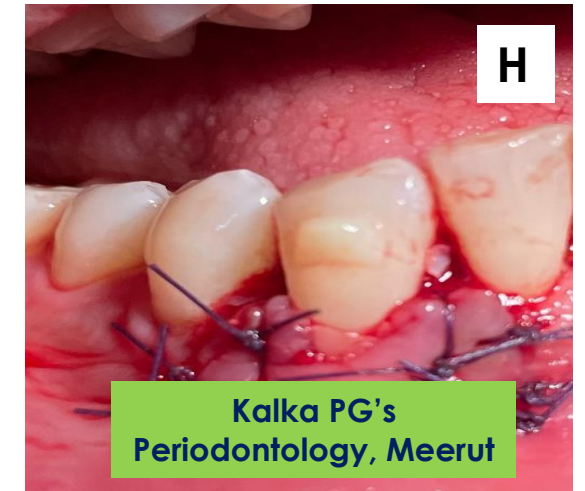
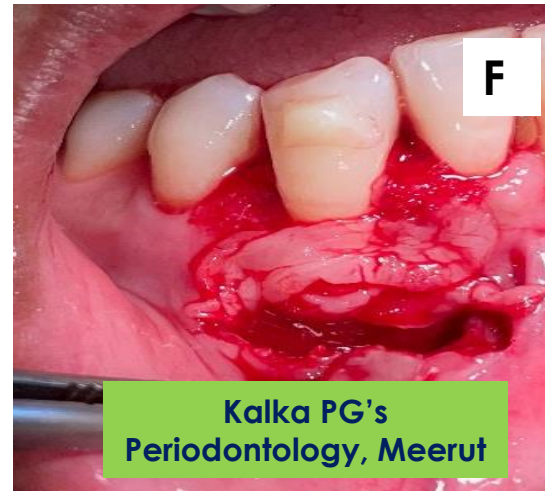
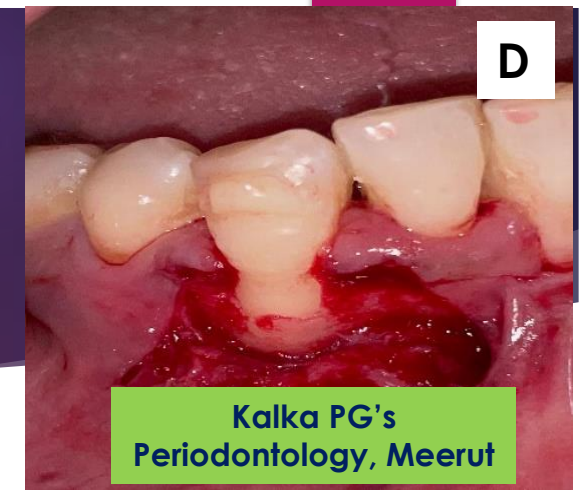
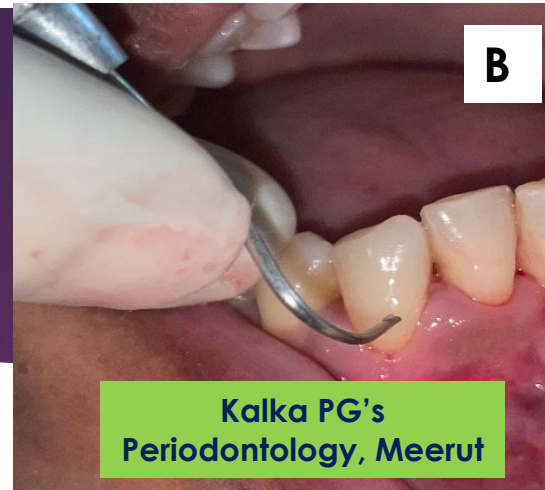
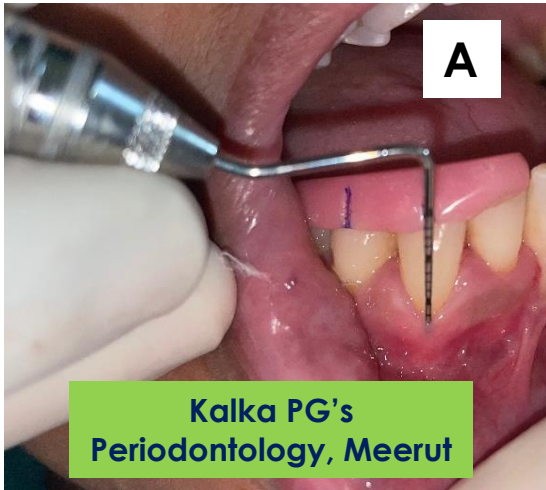
Dr Faheem (PG)

Dr. Rahul (PG)

Dr. Shilpi (PG)

Dr Shalini (Intern)

Dr Amita (Intern)



A. Recession length measured using stent and unc 15 probe, **B.** Root Planing done using curette, **C.** Horizontal and vertical releasing incisions given, **D.** Flap reflected, **E.** PRF membrane procured, **F.** Membrane is flap on the site, **G.** Flap is Coronally advanced and, **H.** Sutures given.

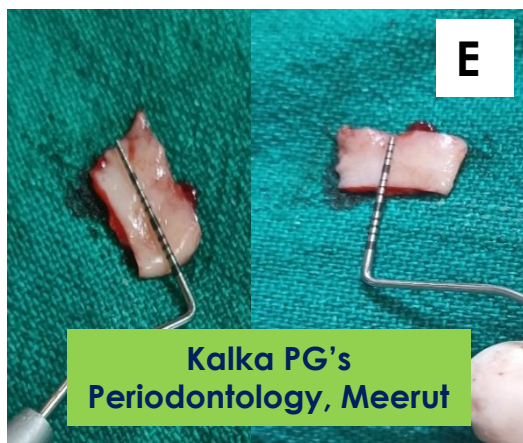
Case 3

Vestibular deepening with free gingival graft

Operator: Dr Ashima Bajaj

Assistant: Dr Shilpi (PG)

Observer: Dr Pooja Choudhary (PG)
Dr Shylender V (PG)
Dr Pinky James (PG)



A,B. Preoperative view measuring inadequate vestibular depth, **C.** Incision vestibular incision given. **D.** Palatal incision given. **E.** free gingival graft procured and measured using UNC-15 probe. **F.** Graft placed on the recipient site, **G.** Graft sutured, and **H.** 10 days post operative after suture removal.

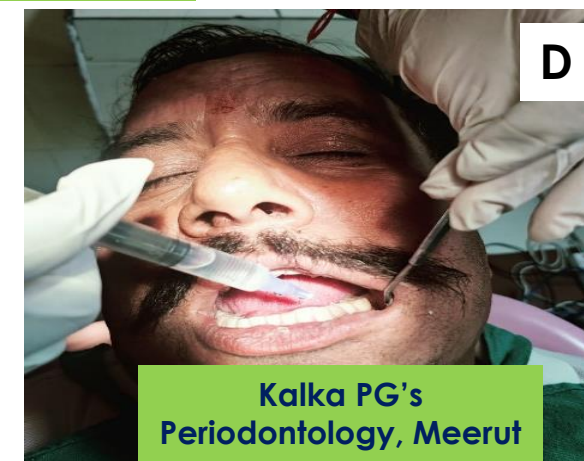
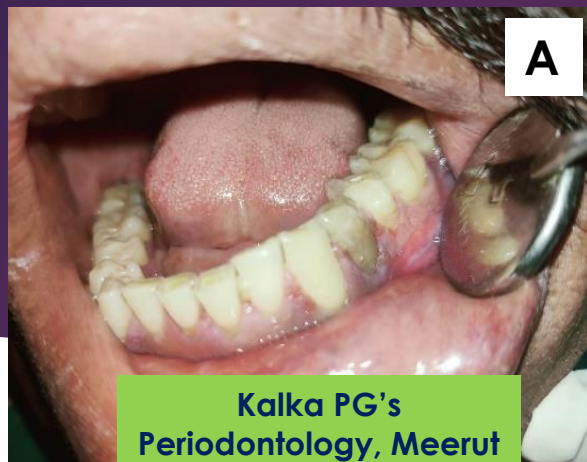
Case 4

Diode assisted dh management

Operator: Dr Kashish

Assistant: Dr Pooja Choudhary (PG)

Observer: Dr Rahul Shah (PG)
Dr Shilpi Saini (PG)
Dr Shylender V (PG)
Dr Sanjeev (Intern)



A. Pre operative view, **B.** measurement of VAS scale using cold water, **C.** Site treated using laser and, **D.** post operative view measuring VAS scale using cold water.

Case 5

Crevicular Flap Surgery

Operator: Dr Anshul

Assistant: Dr Pooja Choudhary(PG)

Observer:Dr Rahul Shah (PG)
Dr Shilpi Saini (PG)
Dr Shylender V (PG)
Dr Sanjeev (Intern)



A. Pocket depth measured using UNC 15 probe, **B.** Crevicular incision given using 12 number blade, **C.** Flap reflected and debridement done, **D.** Flap is sutured

Case 6

Regenerative management of grade II furcation defect with PRF

Operator: Dr. Pooja Mishra

Assistant: Dr. Shylender V (PG)

Observer: Dr. Rahul Shah (PG)
Dr. Shilpi Saini (PG)
Dr. Pooja Choudhary (PG)
Dr. Palak (Intern)
Dr. Salman (Intern)
Dr. Priyanka (Intern)



A. Pre op rvg, **B.** Pre op probing depth #36 using UNC 15, **C.** Incision given and flap raised, **D.** Measurement of Furcation defect using naber's probe, **E.** PRF membrane procured, **F.** Osseous coagulum made, **G.** Bone graft + prf placed in the defect area, **H.** Sutures placed, **I.** 6 months post operative pocket depth using UNC 15 probe and **J.** 6 months post operative pocket depth using Naber's probe.

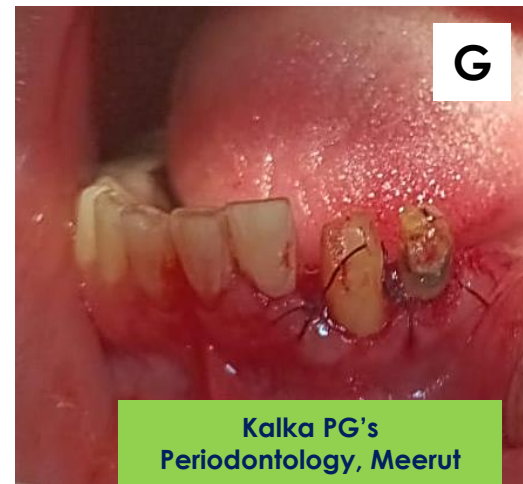
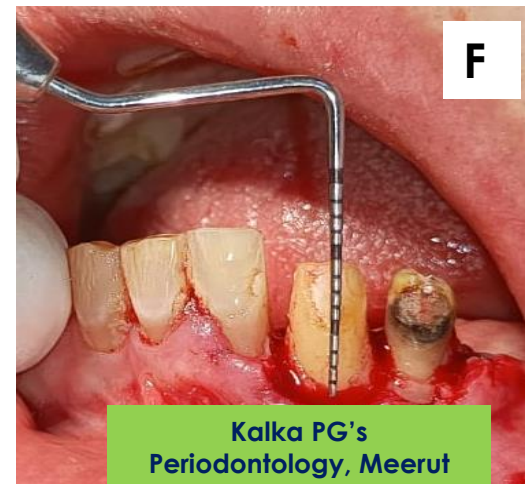
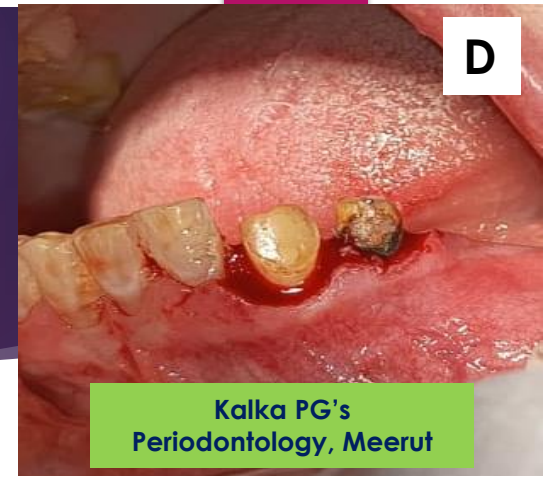
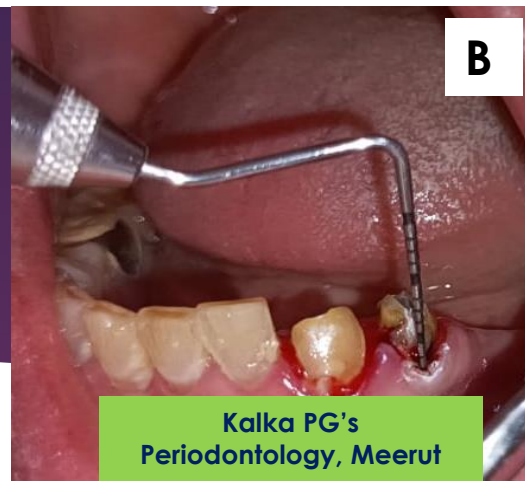
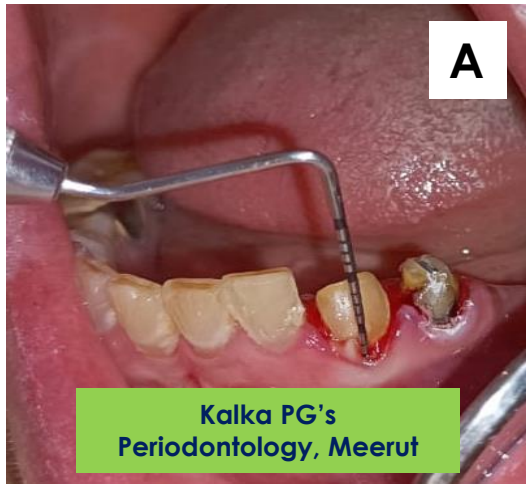
Case 7

Surgical crown lengthening with hemisection

Operator: Dr. Akanksha Sharma

Assistant: Dr. Pinky James (PG)

Observer: Dr. Rahul Shah (PG)
Dr. Shilpi Saini (PG)
Dr. Pooja Choudhary (PG)
Dr. Shylendar V (PG)
Dr. Saquib (Intern)
Dr. Muzamil (Intern)



A,B.Preoperative pocket depth measured using UNC 15 probe, **C.** Incisions given, **D.** Lining removed, **E,F.** Flap reflection with osseous recontouring, **G.** Sutures placed, **H.** Post op Rvg after hemisection.

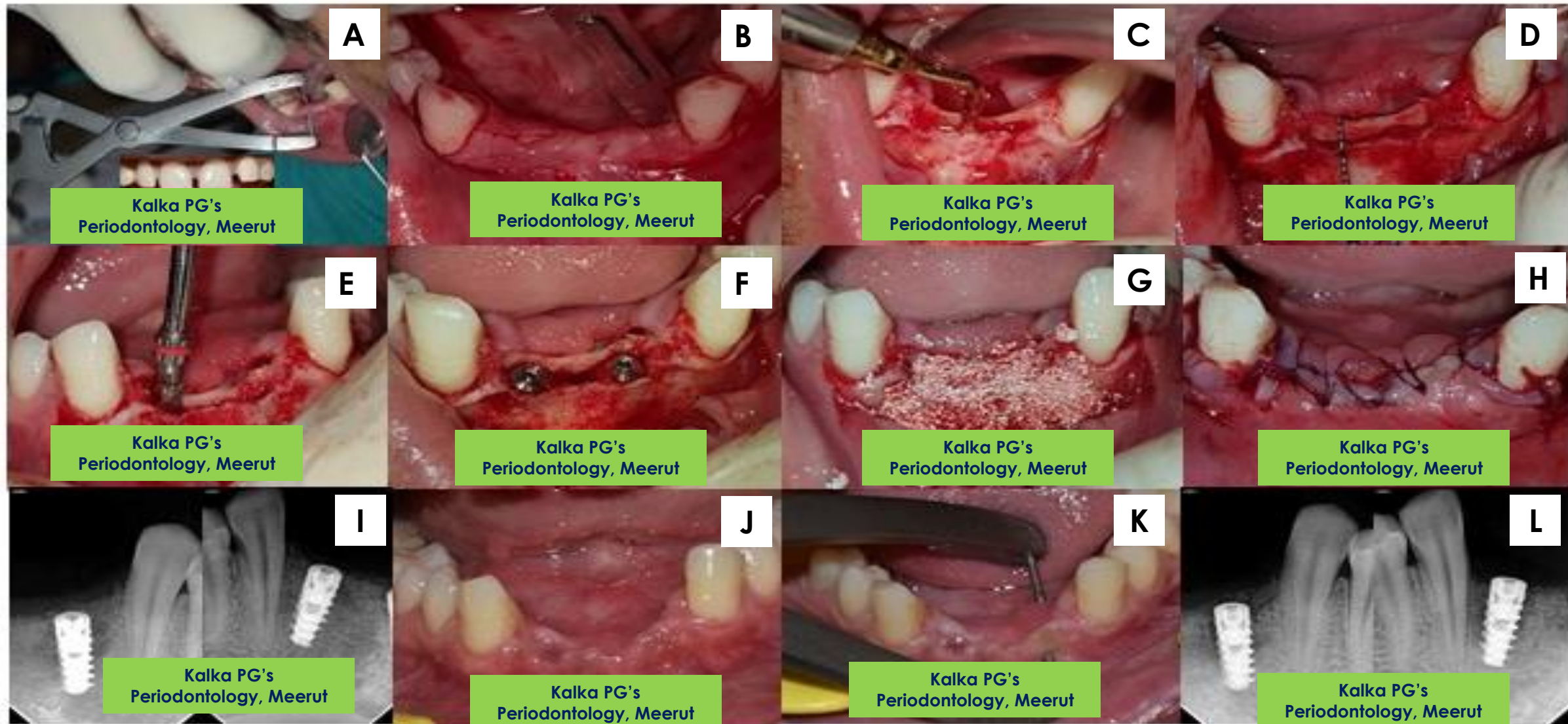
Case 8

RIDGE SPLIT TECHNIQUE USING PIEZOTOME

Operator: Dr. Sanjeev Salaria/ Dr. Chitwan Dadoo

Assistant: Dr. Faheem Ahmed (PG)

Observer: Dr. Parveen Kumar (PG)
Dr. Mukesh Kumar (PG)
Dr. Rahul Shah (PG)
Dr. Shilpi Saini (PG)
Dr. Shylendar V (PG)



(a) Baseline, (b) Crestal incision with 15 no. blade, (c) Bone splitting using piezotome, (d) Measuring bone width after the split, (e) Osteotomy preparation, (f) Implants' placement, (g) Bone graft placement, (h) Sutures placed (i) RVG immediate post operative (j) Healing after 120 days, (k) Ridge measuring after 120 days, (l) RVG after 120 days

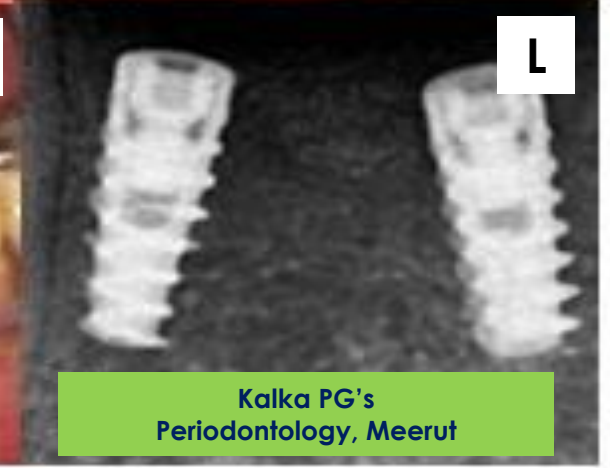
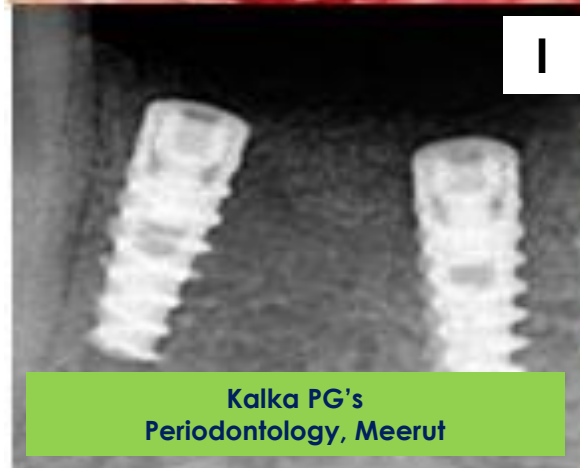
Case 9

RIDGE SPLIT TECHNIQUE USING SURGICAL DISK

Operator: Dr. Himanshu Dadlani/Dr. Akriti Sharma

Assistant: Dr. Mukesh Kumar (PG)

Observer: Dr. Parveen Kumar (PG)
Dr. Rahul Shah (PG)
Dr. Shilpi Saini (PG)
Dr. Shylendar V (PG)



(a) Baseline, (b) Crestal incision with 15 no. blade, (c) Measuring bone width after raising the flap, (d) Measuring depth after ridge splitting by surgical disc, (e) Ridge splitting done, (f) Osteotomy preparation, (g) Implant Placement, (h) Bone graft placement, (i) RVG immediate post operative, (j) Ridge measuring after 120 days, (k) Healing after 120 days, (l) RVG after 120 days

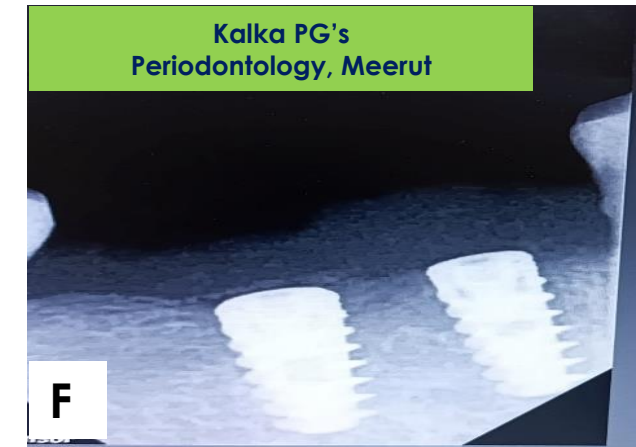
Case 10

Implant insertion

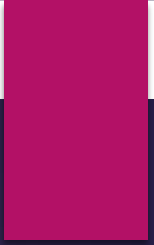
Operator: Dr.Sanjeev Salaria/Dr. Sumbul Saifi

Assistant: Dr. Mukesh Kumar (PG)

Observer: Dr. Parveen Kumar (PG)
Dr. Rahul Shah (PG)
Dr. Shilpi Saini (PG)
Dr. Shylendar V (PG)
Dr. Anindita Sarkar
Dr. Ishita Roy



A. Pre op with mid crestal incision, **B.** Flap reflection done, **C.** Osteotomy site prepared with parallel pins placement, **D.** Implant placement done, **E.** Sutures placed, **F.** Immediate Post-operative.



MAJOR EQUIPMENT IN THE DEPARTMENT OF PERIODONTOLOGY



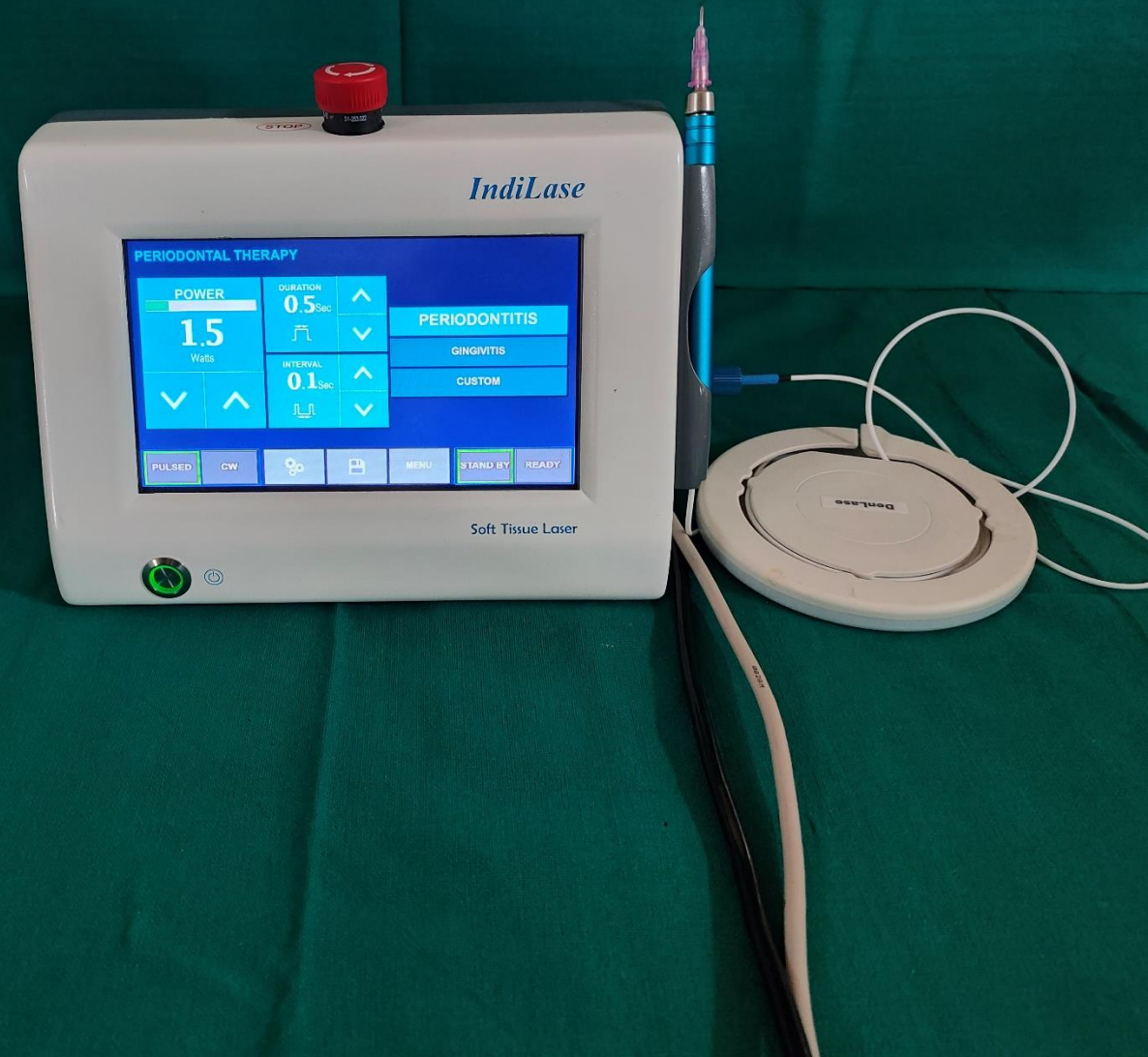
PIEZOSURGERY UNIT



**PHYSIODISPENSOR WITH
IMPLANTS AND DRILLS**



ELECTROCAUTERY UNIT



LASER UNIT



**LOUPES WITH LED
HEADLIGHT**



**PRF CENTRIFUGAL
UNIT**