CLINICAL CASE

GINGIVITIS

PATIENT PROFILE: 52-year old woman on a regular 4 month recall. Previous surgical treatment for generalized severe periodontitis. Post-surgery all areas stable except for recurrent 6mm bleeding pocket.

TREATMENT PROTOCOL: Scaling and root planing with local anesthetic and treatment with Periowave.

RESULT: 4 months after treatment pockets reduced from 6mm to 3mm.

Case and photos provided by: Leanne Carlson, RDH

MODERATE PERIODONTITIS

PATIENT PROFILE: 30-year old woman with 12-month onset of severe gingival bleeding when brushing and eating. After a complete medical work up no significant findings. Oral hygiene found to be good with minimal plaque and recall appointments up to date. No clinical improvement of bleeding on probing found after regular scaling and root planning appts.

TREATMENT PROTOCOL: Treated areas with Periowave.

RESULT: Within 1 week there was no evidence of BOP. 6-week follow-up showed a pocket reduction from 7mm – 3 mm.

Case and photos provided by: Leanne Carlson, RDH

ADVANCED PERIODONTITIS

PATIENT PROFILE: 40-year old woman, non-smoker with chronic periodontitis. #41 and #31 had pocket depths of 3-5 mm.

TREATMENT PROTOCOL: Full-mouth debridement and Periowave.

RESULT: One month after PW treatment, #41 and #31 pockets reduced by 1-2 mm.

Case and photos provided by: Robert Fortier, DDS, Cert. Perio

PERI-IMPLANTITIS

PATIENT PROFILE: 58-year old woman, non-smoker, active infection around implant. Pocket depth > 14 mm. Did not want to take antibiotics for infection control.

TREATMENT PROTOCOL: Treated implant with Periowave three consecutive times, two weeks apart. 6 weeks after initial PW treatment, performed bone grafting surgery on implant.

RESULT: Infection around implant completely gone, enabling surgical entry on bone grafting procedure.

Case and photos provided by: Joseph Andary, DDS
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AGGRESSIVE LJP CASE – BACKGROUND

BACKGROUND

Patient was a 12-year-old boy presenting to the clinic with severe aggressive periodontitis. The patient was a non-smoker, was not on any medications and had no significant medical history otherwise.

AGGRESSIVE LJP CASE – RADIOGRAPHS

RADIOGRAPHS

Radiographs were taken prior to initiation of treatment and at 6 months post-treatment. The patient did not take any local or systemic antibiotics over the course of the treatment and follow-up periods.

Radiographs taken from patient prior to debridement (A & C) and photodisinfection treatment (B & D).

AGGRESSIVE LJP CASE – RESULTS

RESULTS

The radiographs that were taken from patient prior to therapy (slide 6) show extensive bone loss around all first molars. The radiographs on this slide are taken from the same angle at 6 months post SRPP.

Note the regeneration of the bone within the defects.

Radiographs from patient taken at six months post-treatment consisting of debridement and adjunctive photodisinfection.