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The clinical effects of hyperbaric oxygen therapy combined with supragingival and sublingual scaling therapy on periodontitis

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PURPOSE: This study was to observe the clinical effects of hyperbaric oxygen therapy combined with supragingival and subgingival scaling therapy on periodontitis. **METHODS:** The patients with periodontitis were divided randomly into 3 groups, the supragingival and subgingival scaling therapy group, the hyperbaric oxygen therapy group, the hyperbaric oxygen combined with supragingival and subgingival scaling therapy group. The clinical index and the level of aspartate aminotransferase in gingival cervical fluid (GCF-AST) of the 3 groups were compared pre and post treatment, and the clinical index and the level of GCF-AST of the 3 groups after treatment were compared. **RESULTS:** The 3 methods had different clinical effects on periodontitis, and the hyperbaric oxygen combined with supragingival and subgingival scaling group had the best therapeutic results. **CONCLUSION:** The hyperbaric oxygen therapy combined with supragingival and subgingival scaling therapy had synergistic action on periodontitis.

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