

アストラテックインプラントシステムの臨床記録

アストラテックインプラントシステムの主な特徴は、インプラントとアバットメントの接合部のデザイン (Conical Seal Design)、インプラント頸部の微細なスレッド (MicroThread)、アバットメントをインプラントに接続すると形成される独特な輪郭 (Connective Contour)、オッセオスピード表面の4つである。

オッセオスピード表面は2004年に発売された。これは、歯科インプラントに関する文献で報告された中で最も長い前向き臨床フォローアップ期間を持つ、適度に粗いチタン表面、タイオブラスト (TiOblast) 表面の後継であり、更に開発したものである¹⁻⁸。

オッセオスピードインプラントについては、フォローアップ期間が最低1年以上のいくつかの前向き臨床研究で報告されている。その結果は、94.5～100%の高いインプラント生存率で、上顎と下顎の様々な症例において安全に使用できることを示している⁹⁻²⁴。委縮した上顎²⁵⁻²⁷、臼歯部へのサイナスリフトや骨移植²⁸⁻³⁶、抜歯窩への即時埋入後^{15-17, 24, 37-45} などにおける、即時負荷プロトコルでも同様の良好な報告がなされている。さらにいくつかの研究において、良好な審美性^{24, 41, 46-50} と患者の高い満足度^{16, 51-66} が報告されている。

初期の治癒期間中には、オッセオスピードインプラントのISQ値 (インプラント安定指数) に微小な変化が記録されるが^{31, 67-71}、これはオッセオインテグレーションと安定性の継続的な獲得であると解釈される。前向き臨床研究において、機能1年後 (+0.06～0.54 mm)^{25, 32, 40, 49, 60, 68, 69, 72-85}、2年後 (0.11～0.6 mm)^{21, 86-88}、3年後 (+1.6～0.88 mm)^{15, 17, 23, 27, 58, 67, 89-92}、5年後 (0.1～0.3 mm)^{19, 42, 70, 93, 94} のオッセオスピードインプラント周囲におけるごくわずかな平均辺縁骨レベルの変化が報告されている。実際、多くの研究で、1、2、3、および5年での平均辺縁骨吸収は、0.3 mm もしくは、それ以下であると報告されている。

アストラテックインプラントシステムの主な特徴の詳細に関して記載した文献については、www.dentsplyimplants.com をご覧ください。

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