

REAL-WORLD EFFECTIVENESS AND DOSE RESPONSE OF ON101 THERAPY FOR HEALING OF DIABETIC FOOT ULCERS

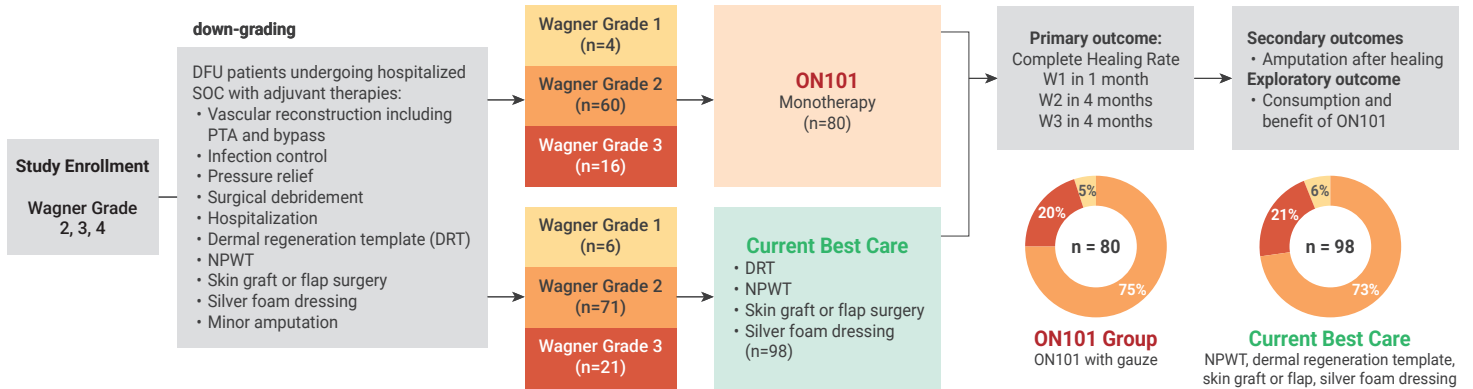
Shun-Cheng Chang, MD^{1,2}

1. Division of Plastic Surgery, Integrated Burn & Wound Care Center, Department of Surgery, Shuang-Ho Hospital, New Taipei City, Taiwan.
2. Department of Surgery, School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan

► Aim and Background

ON101 cream, a novel treatment for diabetic foot ulcers (DFUs), has shown superior healing efficacy and cost-effectiveness compared with current treatments under trial settings. This study further evaluated the real-world effectiveness and dose response of ON101, especially for high-risk patients with poor healing outcomes.

► Aim and Background



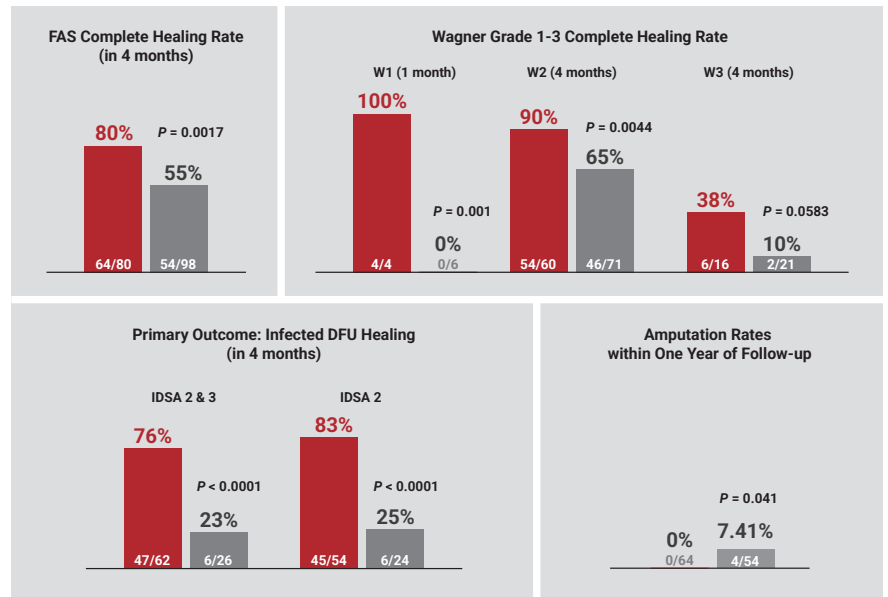
► Results / Discussion

- The use of ON101 significantly increased complete healing of the target ulcer by 79% compared to current best care group (80% vs. 55%, HR: 1.79, 95% CI, P=0.0017). Subgroup analyses consistently demonstrated a significant complete healing rate of ON101 across Wagner grade 2 patients (90% vs. 65%, HR=1.78, P=0.0044); infected patients classified as IDSA 2/3 (76% vs. 23%, HR=5.46, P<0.0001). Specifically, for IDSA 2 infections, ON101 treatment resulted in 83% healing rate vs. 25% in current best care group (HR=6.21, P<0.0001).
- Notably, in Wagner grade 1 DFU patients, ON101 exhibited superior and faster healing, achieving a 100% complete healing rate within one month, vs. none healing in the comparator group during the same period (P=0.001).
- Amputation rates within one year of follow-up were significantly lower in the healed patients by ON101 (0% [0/64] vs. 7.41% [4/54], P=0.041).
- The average ON101 consumption per patient was 1, 1.98, and 2.56 tubes for Wagner grade 1, 2, and 3 ulcers, respectively.

► Conclusion

Promising healing outcomes following ON101 therapy at lower doses among real-world DFU patients are corroborated, with a potential therapeutic benefit for clinically disadvantaged patients and practical feasibility for use in routine practice.

● ON101 ● Current Best Care



- Bone Exposure
- 1.8 tubes 56 days complete healing



- Amputation Stump with Bone Exposure
- 2.5 tube 75 days complete healing

