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Introduction: The development of pressure injuries is multifactorial and must take into account capillary pressure, duration of pressure and tissue tolerance, which can be altered by intrinsic (nutritional status, advanced age, low diastolic blood pressure) and extrinsic (friction, shear and humidity) factors. Pressure injuries develop when soft tissue is compressed between a bony prominence and an external surface for a prolonged period of time. High levels of mechanical overload or moderate repetitive forces produce oxygen and nutrient deprivation triggering tissue ischemia. The gel composed of Andiroba oil, Neem, Melaleuca, fermented glycolic extract of papaya and Hyaluronic Acid promotes antiseptic action, autolytic debridement and tissue regeneration.

Objective: to report the efficiency of treatment with gel composed of Andiroba oil, Neem, Melaleuca, fermented glycolic extract of papaya and Hyaluronic Acid as an antiseptic and debriding agent in the treatment of Pressure Injury.

Method: this is an experience report. The case was accompanied through photography. Study carried out in home care in Valença- BA, from July 24, 2024 to September 10, 2024. Respecting the ethical aspects of research involving human beings - Resolutions no 466/2012 and 510/2016 of the National Health Council.

Results: Patient O.F.R., male, 61 years old, hypertensive, diabetic, with pressure injury in the left gluteus. The patient had used other technologies for three months without success. Irrigation with 0.9% saline solution was performed and a gel composed of Andiroba oil, Neem, Melaleuca, fermented glycolic extract of papaya and hyaluronic acid was applied, changing the gel every 48 hours. **Figure A:** lesion with presence of coagulation necrosis (07/24/24), **figure B:** presence of liquefaction necrosis and granulation points (07/28/24), **figure C:** wound with granulation tissue (08/05/24), **figure D:** contraction of edges and granulated tissue (08/20/24), **figure E:** remodeled tissue (09/10/24).



Use of gel composed of andiroba oil, neem, tea tree, papaya glycolic extract and hyaluronic acid in the treatment of pressure injuries.

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Figure B - 07/28/24



Figure C - 08/05/24



Figure D - 08/20/24



Figure E - 09/04/24

Use of gel composed of andiroba oil, neem, tea tree, papaya glycolic extract and hyaluronic acid in the treatment of pressure injuries.

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Figure F - 09/10/24

Conclusion: the efficiency of pressure injury treatment using a gel composed of Andiroba, Neem, Melaleuca oil, fermented papaya glycolic extract and Hyaluronic Acid in autolytic debridement, antisepsis and tissue remodeling can be observed. Implications for the field of wound treatment: people with chronic wounds need specialized treatment to alleviate discomfort and improve their quality of life and health.

Descriptors: pressure injury; nurses; healing