

## Bio-alcamid: a novelty for reconstructive and cosmetic surgery

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### SUMMARY

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Research for new biocompatible and easily implantable materials continuously proposes new molecules and new substances with biological, chemical and physical characteristics more and more adapted to aesthetic and reconstructive surgery. Bio-Alcamid (Polymekon, Italy) is a non reabsorbable polymeric material composed of alkylimide-amide groups. This cosmetic agent has been used for the treatment of 2000 patients by a multicentric trial led by different Hospitals and University in Italy and abroad. Very serious aesthetic defects such as pectus excavatum, Poland Syndrome, post-operative traumas, in addition to common aesthetic defects such as lips, cheek-bone and chin hypovolumetry and relaxing of nasolabial sulcus, have been treated by surgical implant of Bio-Alcamid. Aesthetic results were excellent; tissues felt soft and the implants were uniformly distributed. No migration or dislocation of the implants, no granulomas, no allergic response and no kind of intolerance were observed. Only 12/2000 patients had post-operative complications (Staphylococcus infections) and only 3/12 cases could be directly ascribed to the implanted material. For its characteristics Bio-Alcamid can be considered a novelty in the aesthetic and reconstructive surgery; it is absolutely biocompatible, non toxic, non allergenic, easily injectable and quickly removable. Bio-Alcamid can be defined a sort of "endoprosthesis", perfectly suitable for soft tissue augmentation and for the correction of different tissue deficiencies, with a long-term safety and efficiency.