

Magnesium Alloys in Orthopedics: A Systematic Review on Approaches, Coatings and Strategies to improve Biocompatibility, Osteogenic Properties and Osteointegration Capabilities

Gianluca Giavaresi^{a}, Daniele Bellavia^a, Angela De Luca^a, Viviana Costa^a, Lavinia Raimondi^a, Aurora Cordaro^a, Maria Sartori^a, Silvio Terrando^b, Angelo Toscano^b, Giovanni Pignatti^b, and Milena Fini^c*

Table 1. List of items extracted from studies.

- Study identification information;
- Funding source;
- Author conflicts of interest;
- Type of Study (i.e., in vitro and/or in vivo study, clinical study);
- Exposure (i.e., Type of magnesium alloy/controls, Duration of exposure; etc.);
- Population (i.e., Animal species, strain, sex, origin, age; Cell line, cell type or tissue; Source of cells or tissue culture, etc.);
- Dosing methodology (i.e., Performed Tests, Treatment period, Replicates etc.);
- Controls (positive, negative, vehicle);
- Randomization procedure, allocation concealment, blinding procedure during outcome assessment(s);
- Number of replicates per group
- Main outcome;
- Statistical methods (e.g., statistical test used, significance levels).