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| **Focus question(s)** | Is oxidative stress status associated with diabetic bone features under invivo conditions? Does insulin or antioxidants treatment improve the diabetic bone features of DM subjects?  |
| **Population** | “diabetes” OR “diabetic” OR “hyperglycemia” OR “advanced glycation end products” OR “AGE\*” | **A****N****D** |
| **Intervention** | “diabetic bone disease” OR “DBD” OR “bone healing” OR “bone defect\*” OR “bone fracture\*” OR “bone remodel\*” OR “bone regenerat\*” OR “bone formation” OR “bone repair\*” OR “bone augment\*” OR “bone reconstruct\*” OR “bone engineering” OR “bone graft\*” OR “osteogenesis” OR “osseointegration” OR “osteointegration” |
| **Outcome** | “oxidative stress” OR “endoplasmic reticulum stress” OR “mitochondrial stress” OR “reactive oxygen species” OR “ROS” OR “oxygen free radical\*” OR “free radical\*” OR “oxidation product\*” |
| **Limits** | None |

*Appendix III.* The algorithm used for electronic search in PubMed