**Are Stem Cell Treatments Safe? This Study Sheds Light**

**Purpose of Study:** To determine if stem cell injections are safe when used for orthopedic degenerative conditions or injuries.

**SD**
- Bone Marrow Concentrate Injections procedure with adipose (fat) graft
- Treatment areas included the: ankle/foot - knee/hand - shoulder/hip - elbow/wrist - spine/hand
- SD had 1.5% SAEs

**AD**
- Ongoing follow-up study on 535 subjects treated with culture-expanded MSCs
- Median age: 60.8% male, 39.2% female
- AE related to procedures: 0.4%

**CE**
- 1,590 subjects treated with BMC
- Median age: 60.8% male, 39.2% female
- AE related to procedures: 0.4%

**Result:** No increased risk of tumor formation following BMC injections or treatment with culture-expanded MSCs.

**Conclusion**
- No clinical evidence of increased risk of cancer!

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**Study Facts**
- 2,372 patients at three months follow-up
- SAE rates were 4.4%
- Any AE & SAE reported

**Methods**
- Study was observational, ongoing, prospective, and included BMC and MSC injections
- Treatment approaches included both BMC and MSC procedures
- Analyzed the relative safety of several different orthopedic surgical procedures
- Subjects were followed in from 18 different clinical facilities

**Subjects**
- An initial group of 287 patients followed
- A total of 325 reported AE 3 months follow-up
- No clinical evidence of increased risk of cancer!

**Result:** No evidence of increased risk of cancer!