

Checklist for Regenerative Cell Therapy



The following information is provided to promote successful outcomes and reduce conditions that might minimize success.

Pet-Owners and Veterinarians should have discussed the following information together before making a decision with respect to a treatment / therapy with stem cells.

In addition: Well-informed customers make the best decisions and the best long-term customers.

Is it safe for this pet to undergo a surgical procedure?

- Pet should be in general good health as indicated by recent physical exam.
- Current diagnostic workup indicating good health may include chest x-ray, CBC (CompleteBloodCount), Chemistry profile, Urinalysis, Thyroid test and/or Tick titer

Conditions that disqualify a pet for stem cell therapy

- Cancer or tumor of undetermined type
- Active systemic infection

Further conditions present in the patients that might reduce the success of stem cell therapy

Any organ disease (heart, liver, kidney etc.)

Poorly controlled diabetes

Neurologic disorders, e.g. Degenerative Myelopathy, Intervertebral Disc Disease (IVDD),

Spinal cord injuries, nerve damage, paralysis, lumbosacral disease

Uses for stem cell therapy

- Osteoarthritis in legs due to hip dysplasia, elbow dysplasia, other congenital malformation, degenerative joint appearance, etc. (in order to confirm a diagnosis an X-ray or arthroscopy should be performed)
- Polyarthritis (chronic / rheumatic / inflammatory arthritis in several joints)
- OCD, cartilage damage (bony fragments should be removed by arthroscopy prior to cell therapy)
- Tissue injuries / crack (25% or less) of tendons or ligaments
- Fractures
- Gingivostomatitis

Aftercare

- Review need for pain medications
- Review recuperation from surgery, possible seroma formation at collection site, and follow-up examinations
- Review restricted exercise after stem cell therapy and rehabilitation plan

Potential Negative Outcomes: (low risk does not mean no risk)

- It is very rare to report an adverse reaction to a stem cell therapy, it is reported in less than 1% of the treated animals. Cause for this was the manipulation of the joints during injection. Joints, which are reinforced and / or osteoarthritic, may be aggravated by the manipulation in connection with the injection. Most of these negative effects disappear after a few days
- However, since the impacts on the animals are painful, painkillers should be given here
- This not only relieves the animal but also the emotionally involved pet owners
- The anesthetic risk is the same as with any surgical procedure

Over 75% of owners report improved quality of life !!!

Like other treatment options, not all pets respond to stem cell therapy.

Eg.: approximately 20-25% of the dogs treated for arthritis had no improvement in quality of life according to owner surveys.