



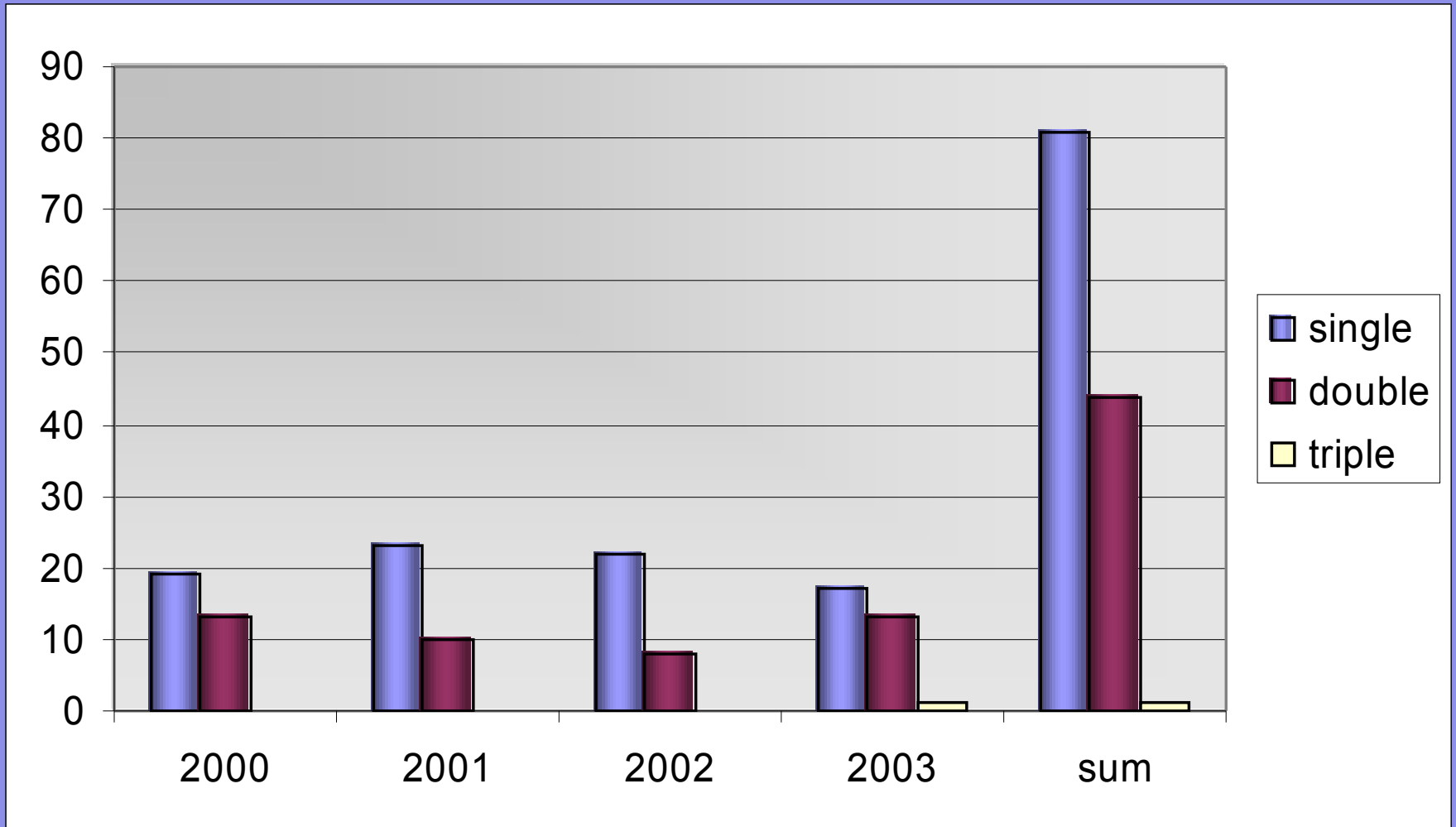
Equine Cervical Vertebral Malformation
**Outcome of
vertebral fusion
surgery**

**Anja C. Schütte, praktische Tierärztin
Barrie Grant, DVM, MS, Diplomate ACVS**

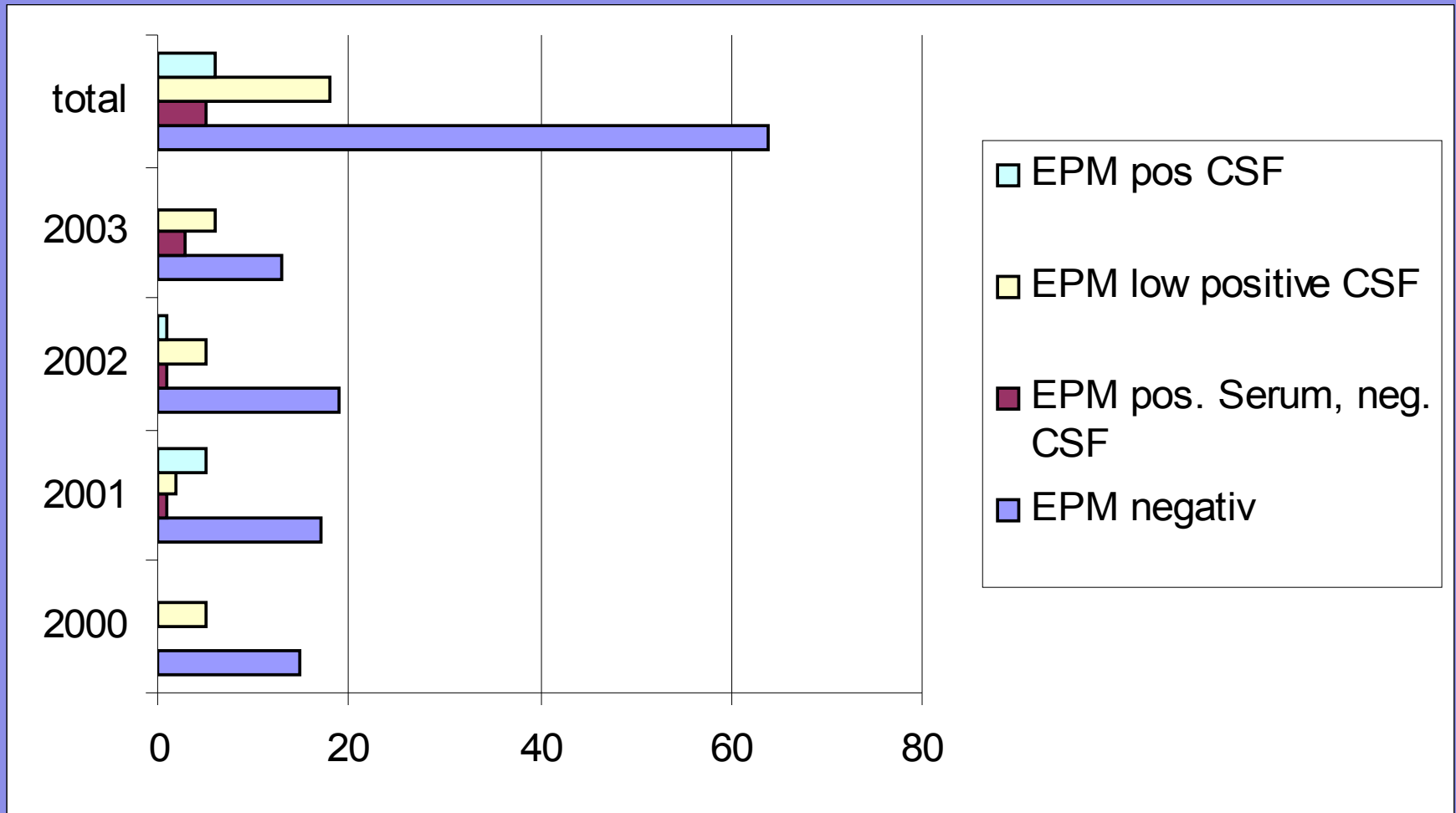
**San Luis Rey Equine Hospital
4211 Holly Lane
Bonsall, California 92003**

A.c.schuette@web.de / grant@slreh.com

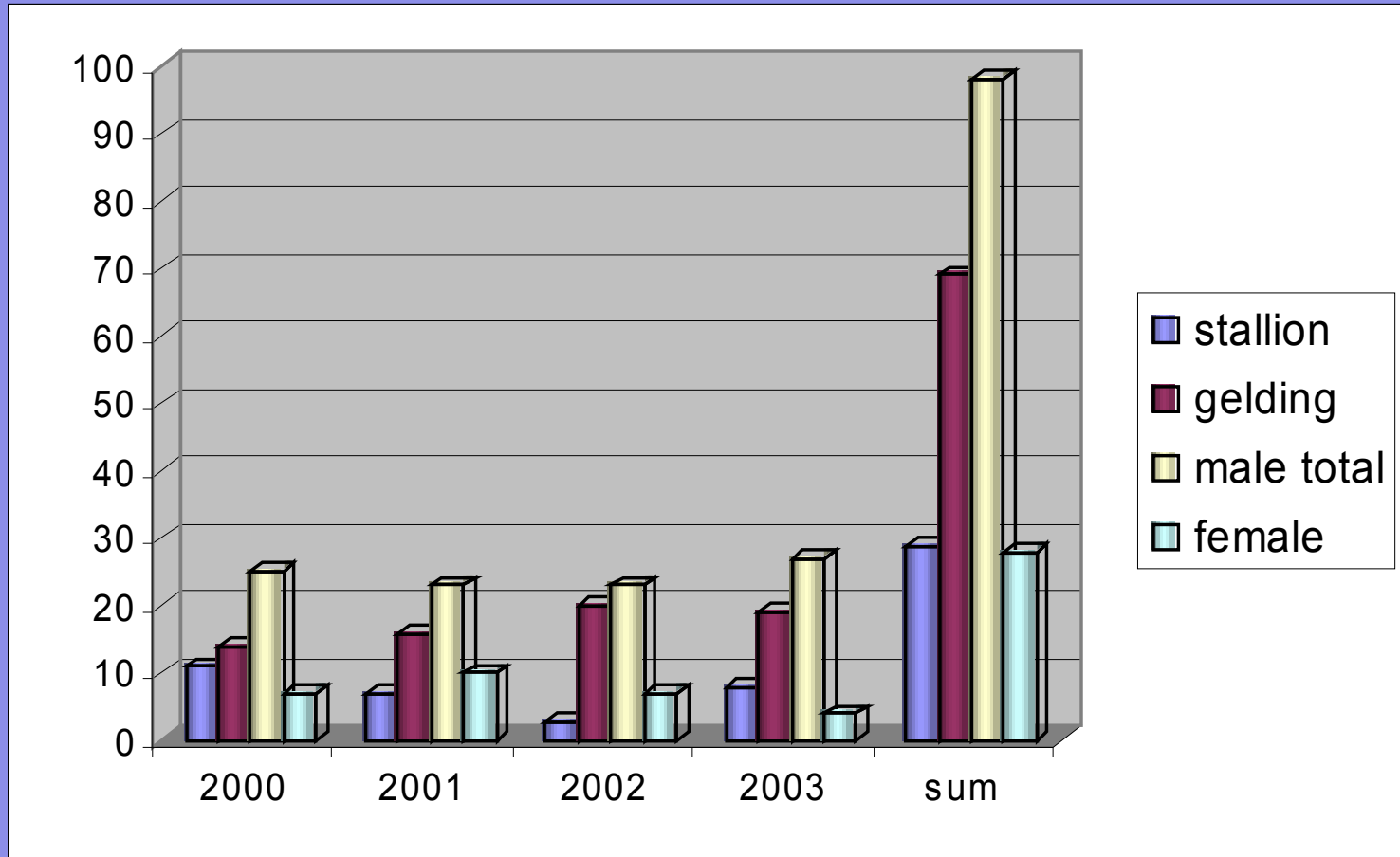
Numbers of performed surgeries



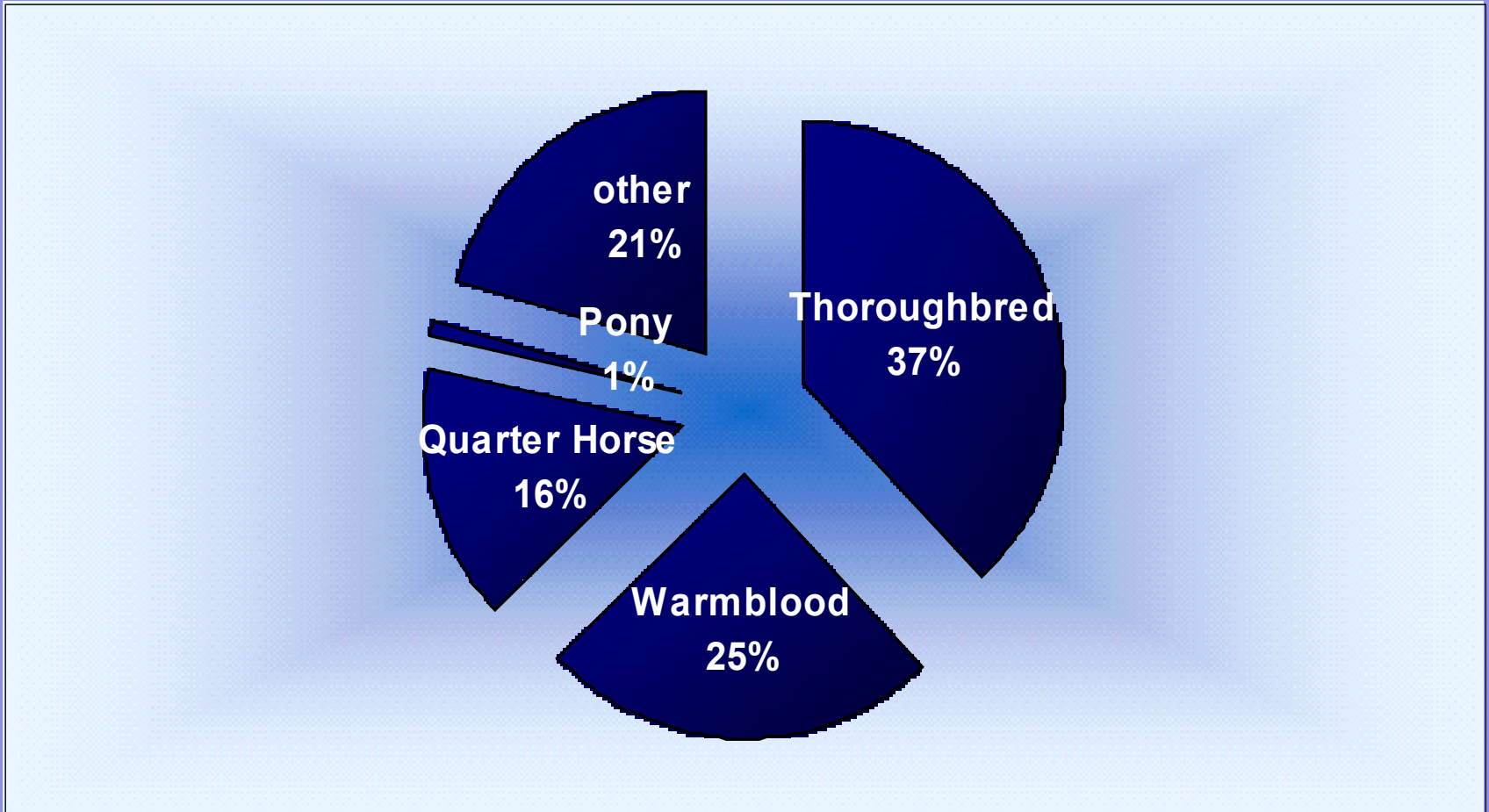
EPM Test results – 126 horses tested



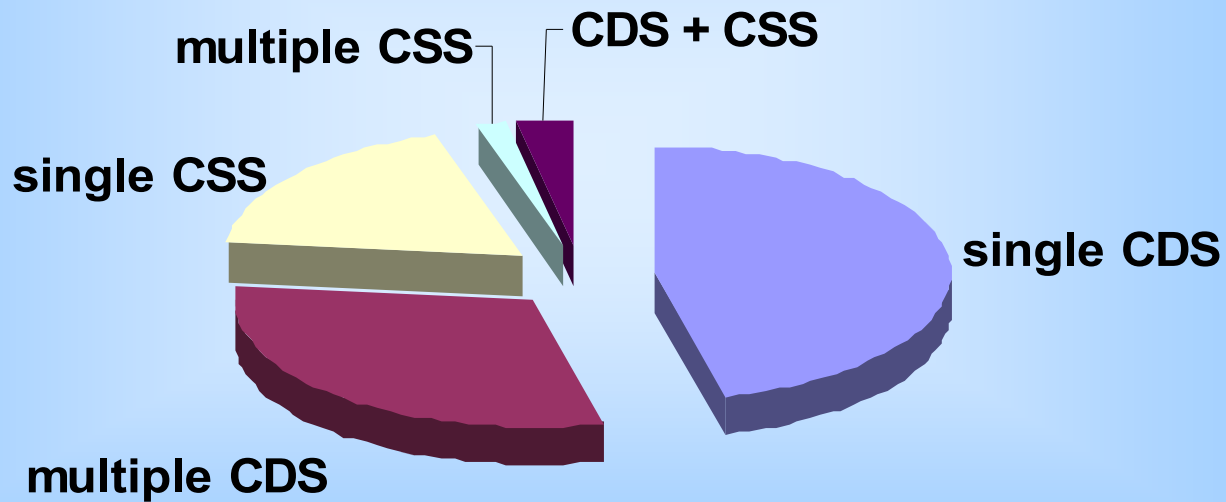
Sex – wobblers 2000-2003



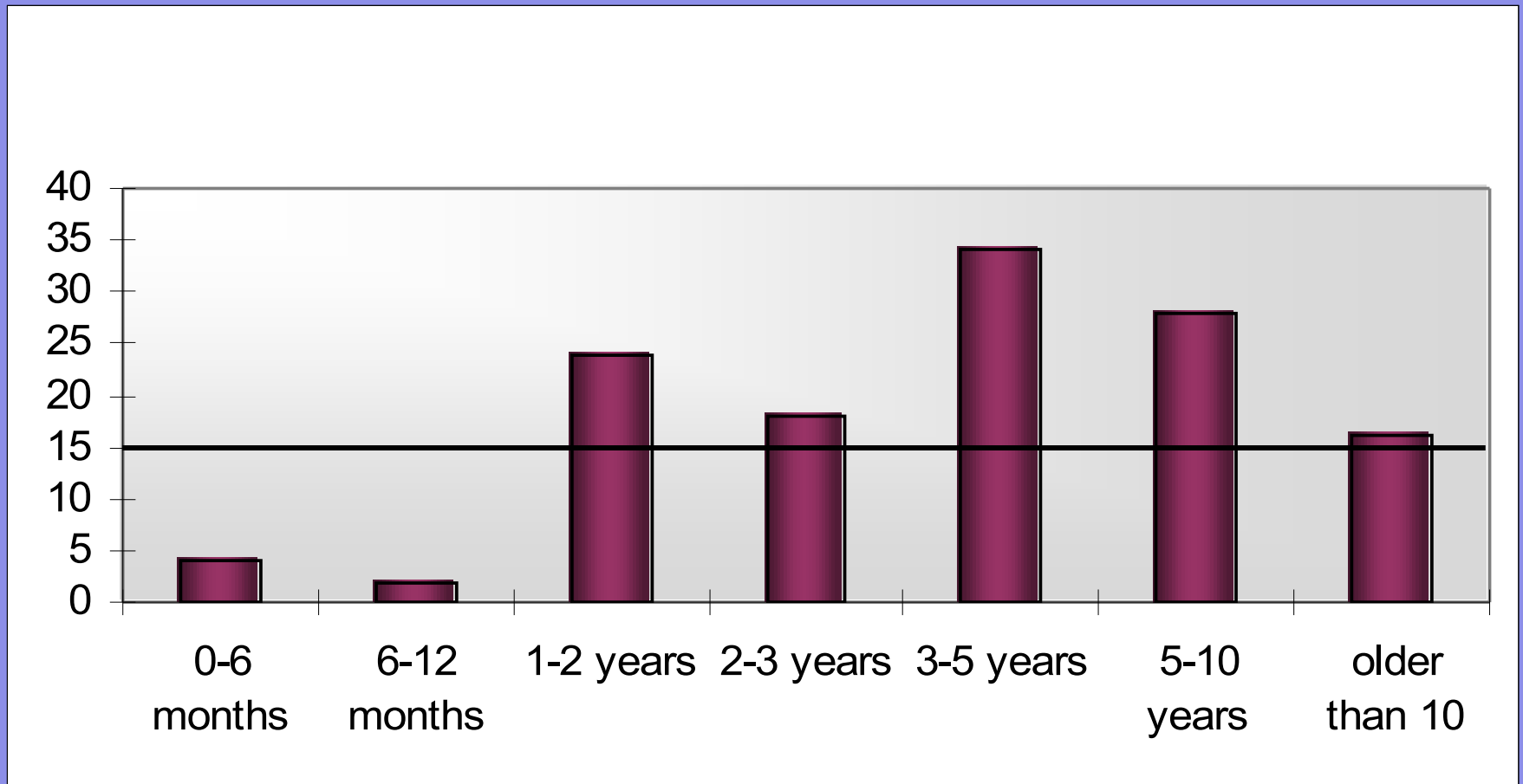
Breed of affected horses



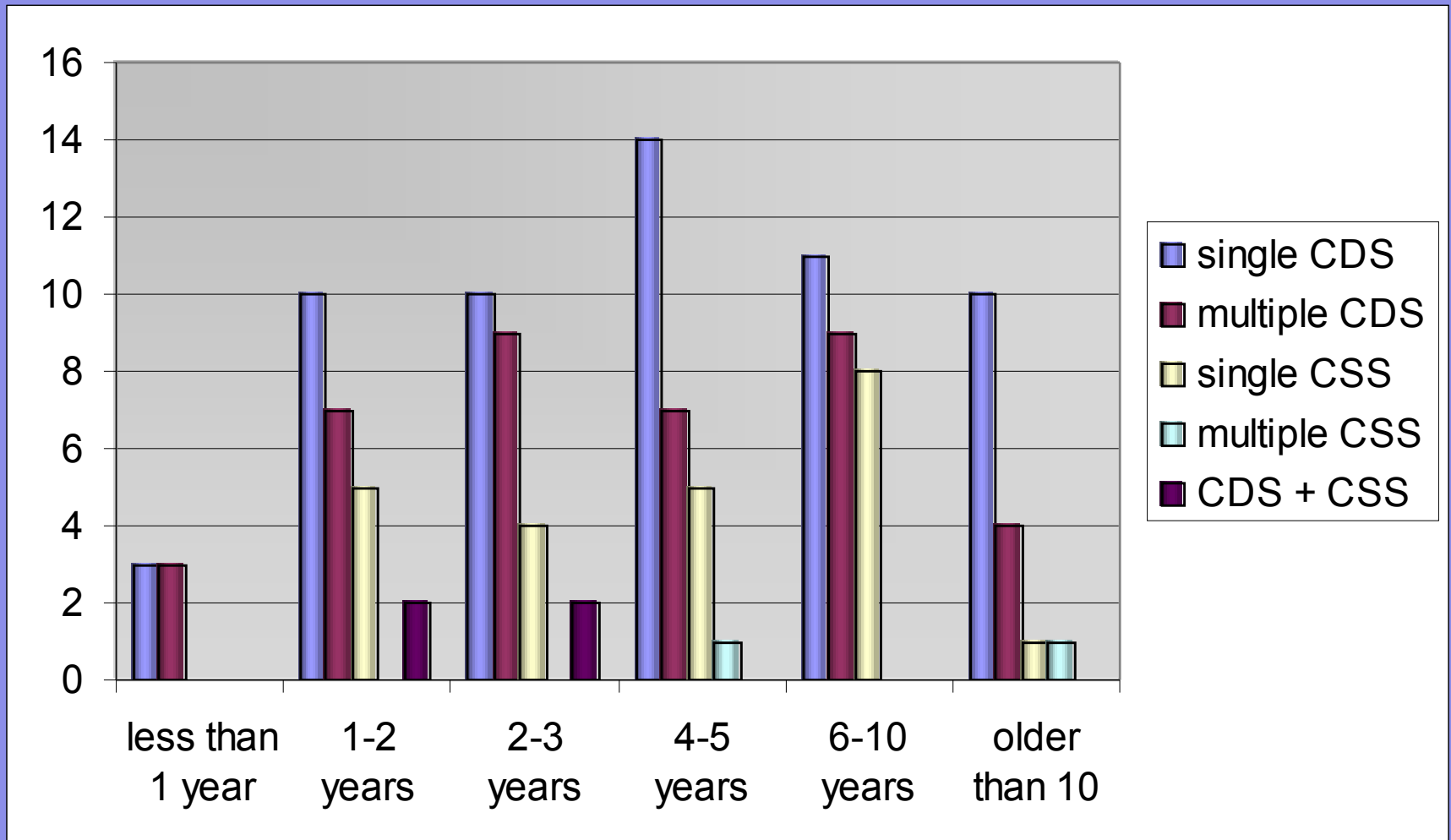
Dynamic (CDS) and static (CSS) stenosis



Age groups of affected horses



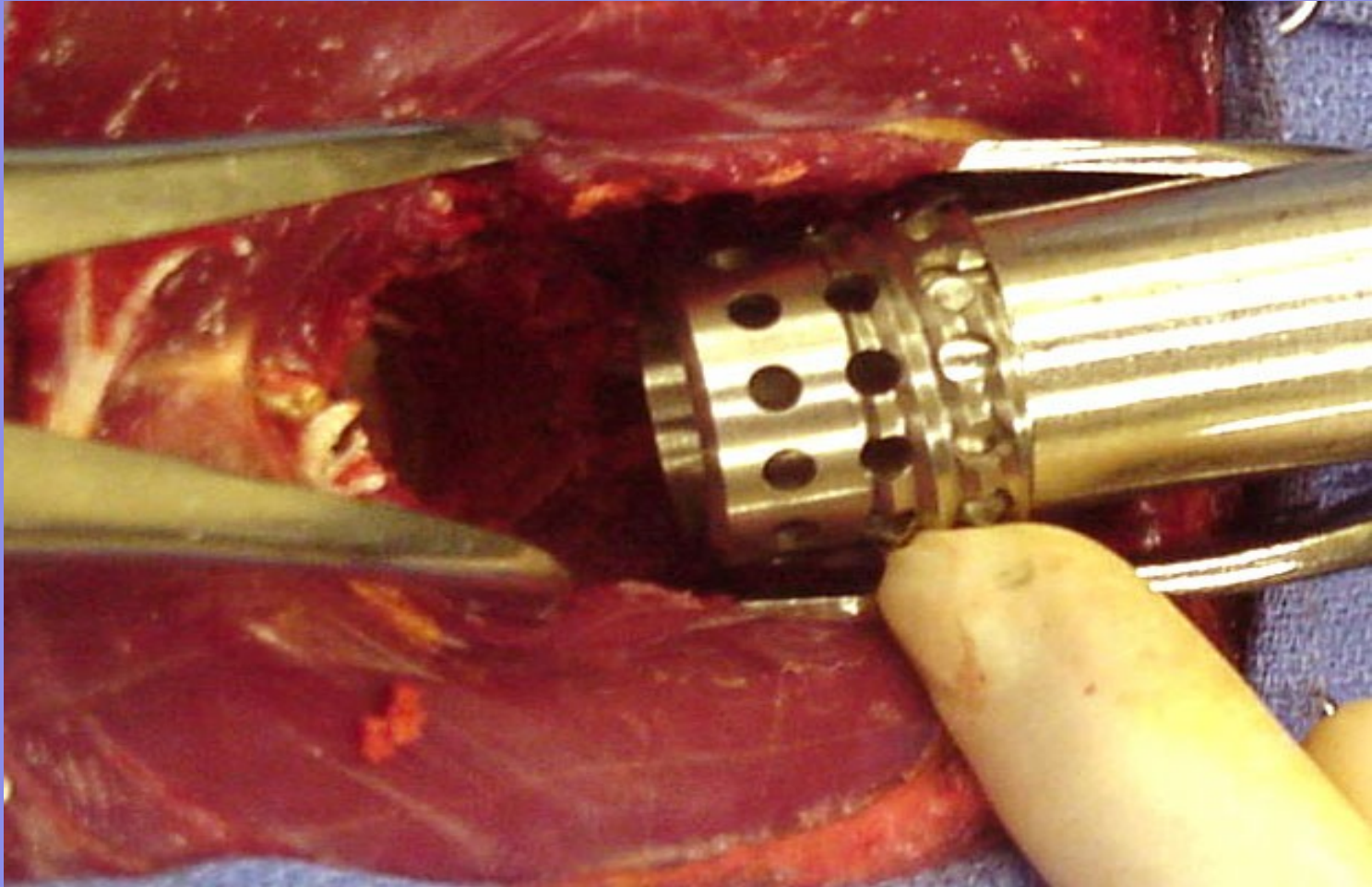
Correlation of age and kind of spinal cord compression



Neuro grades pre OP

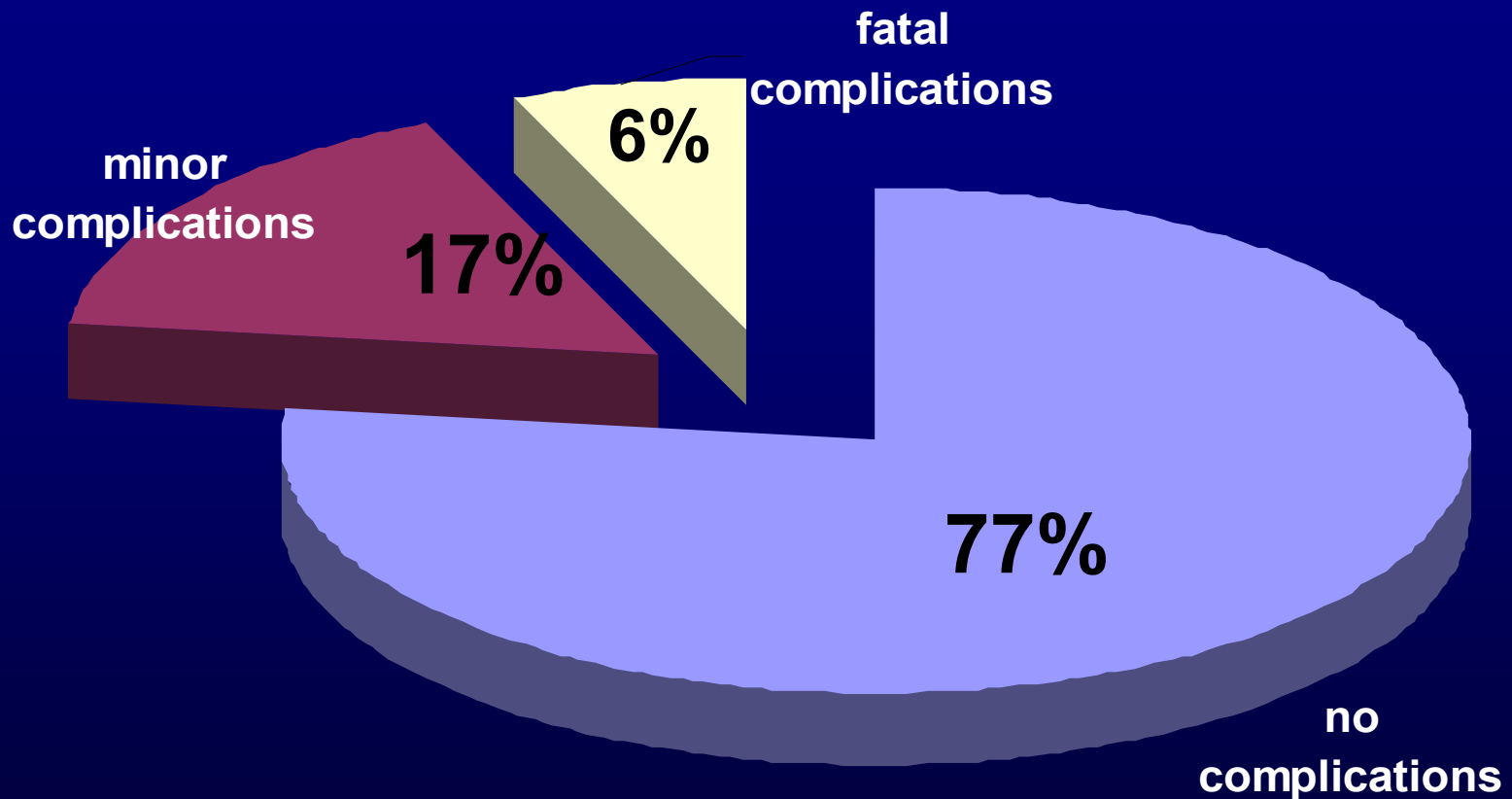
	numbers	%
grade 0/5	0	0%
grade 1/5	41	32%
grade 2/5	36	29%
grade 3/5	15	12%
grade 4/5	6	5%
grade 5/5	0	0%
no information avail.	28	22%
sum	126	100%

Seattle Slew implant



Equine Cervical Vertebral Malformation – Outcome of vertebral fusion surgery

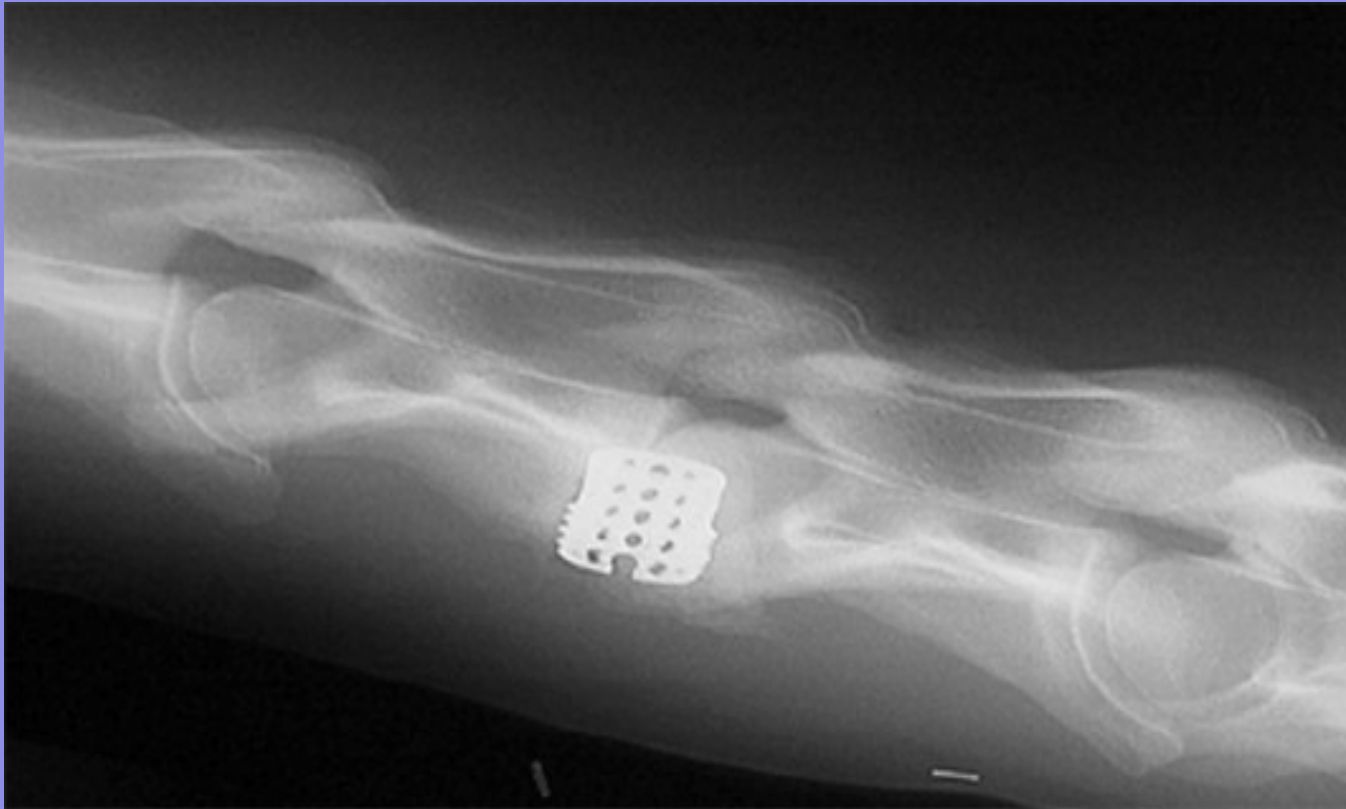
Rate of complications



Post operative care - protocol

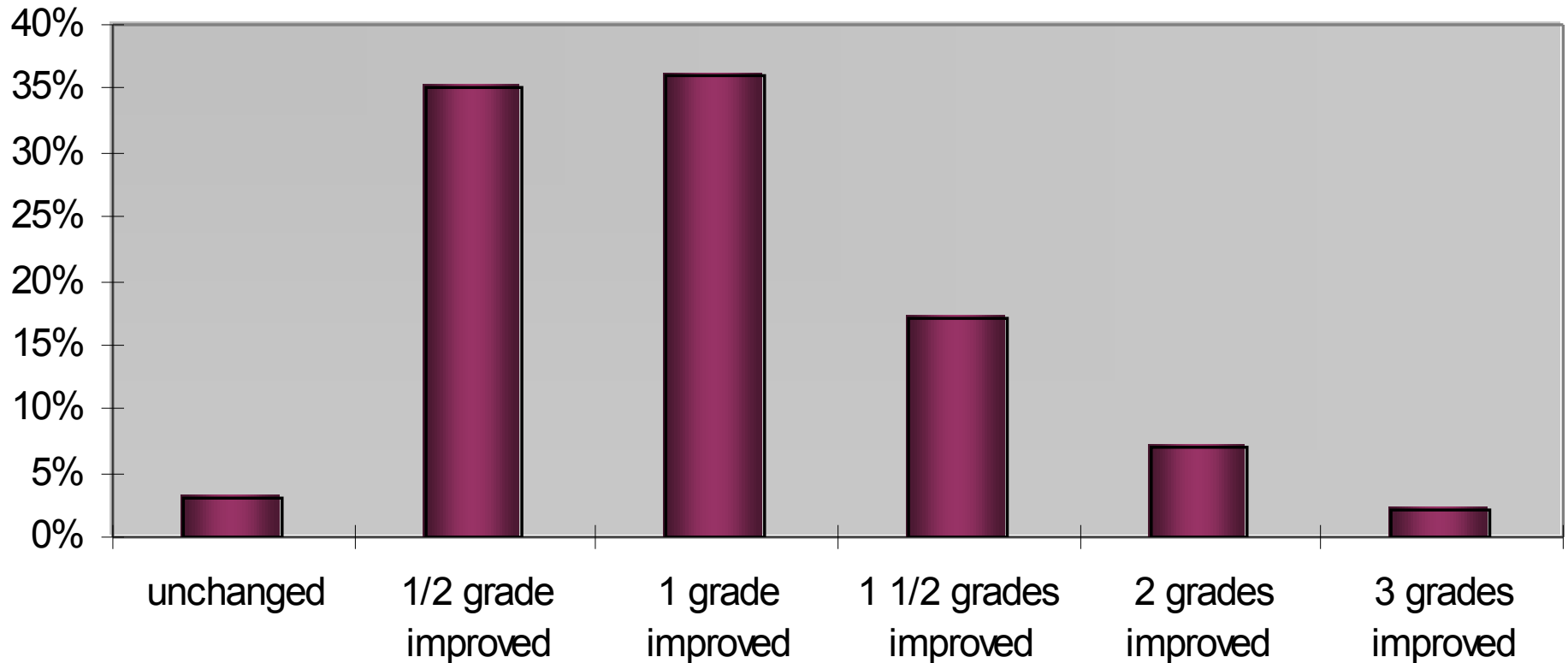
- ✓ 60 days stall rest
- ✓ Antibiotics for 3 days
- ✓ NSAIDs for 1 week
- ✓ Vitamin E (8000 IU / day) >90 days
- ✓ Increase exercise with < clinical signs
- ✓ Need 1 year for full recovery

Seattle Slew Implant 60 days after surgery

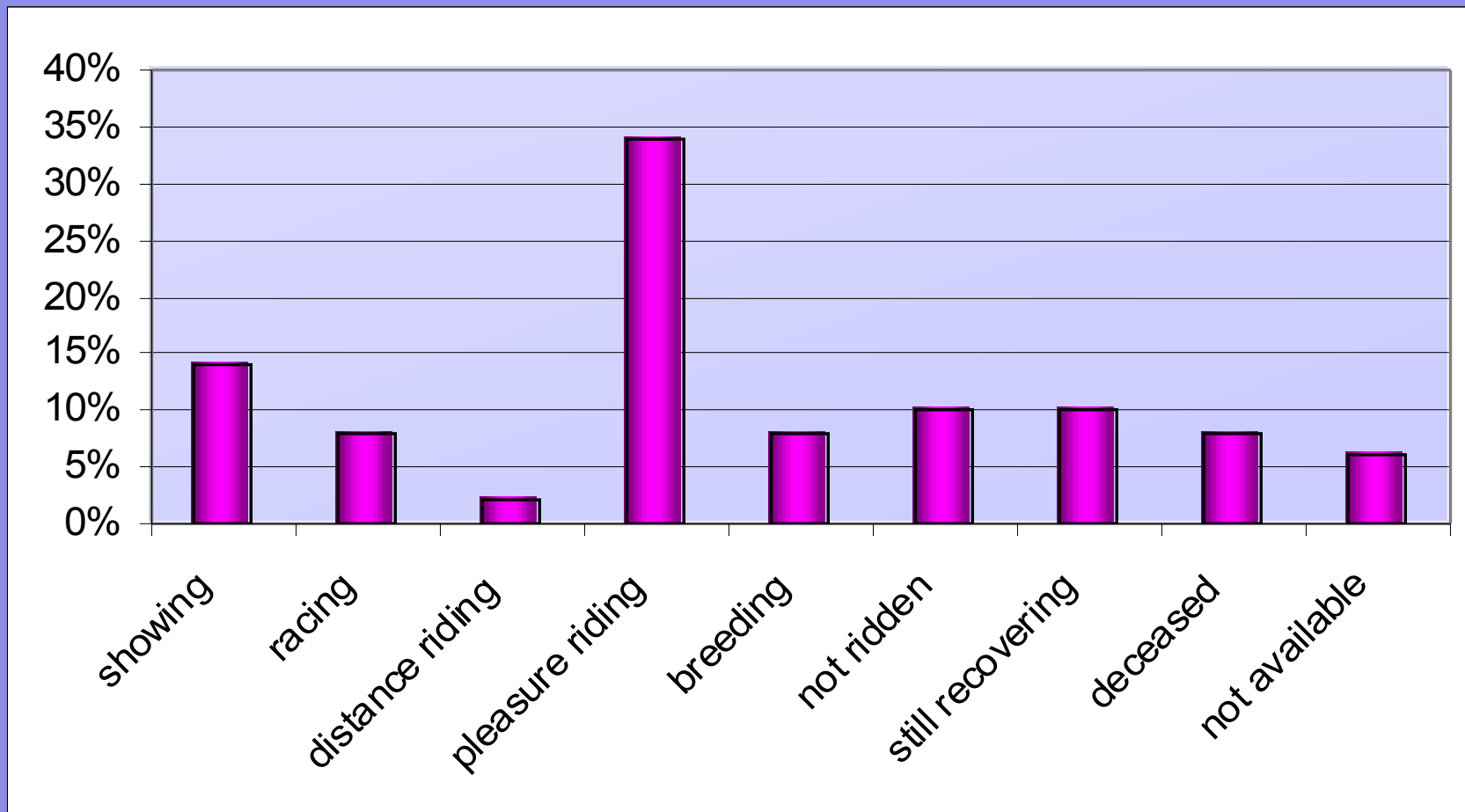


Equine Cervical Vertebral Malformation – Outcome of vertebral fusion surgery

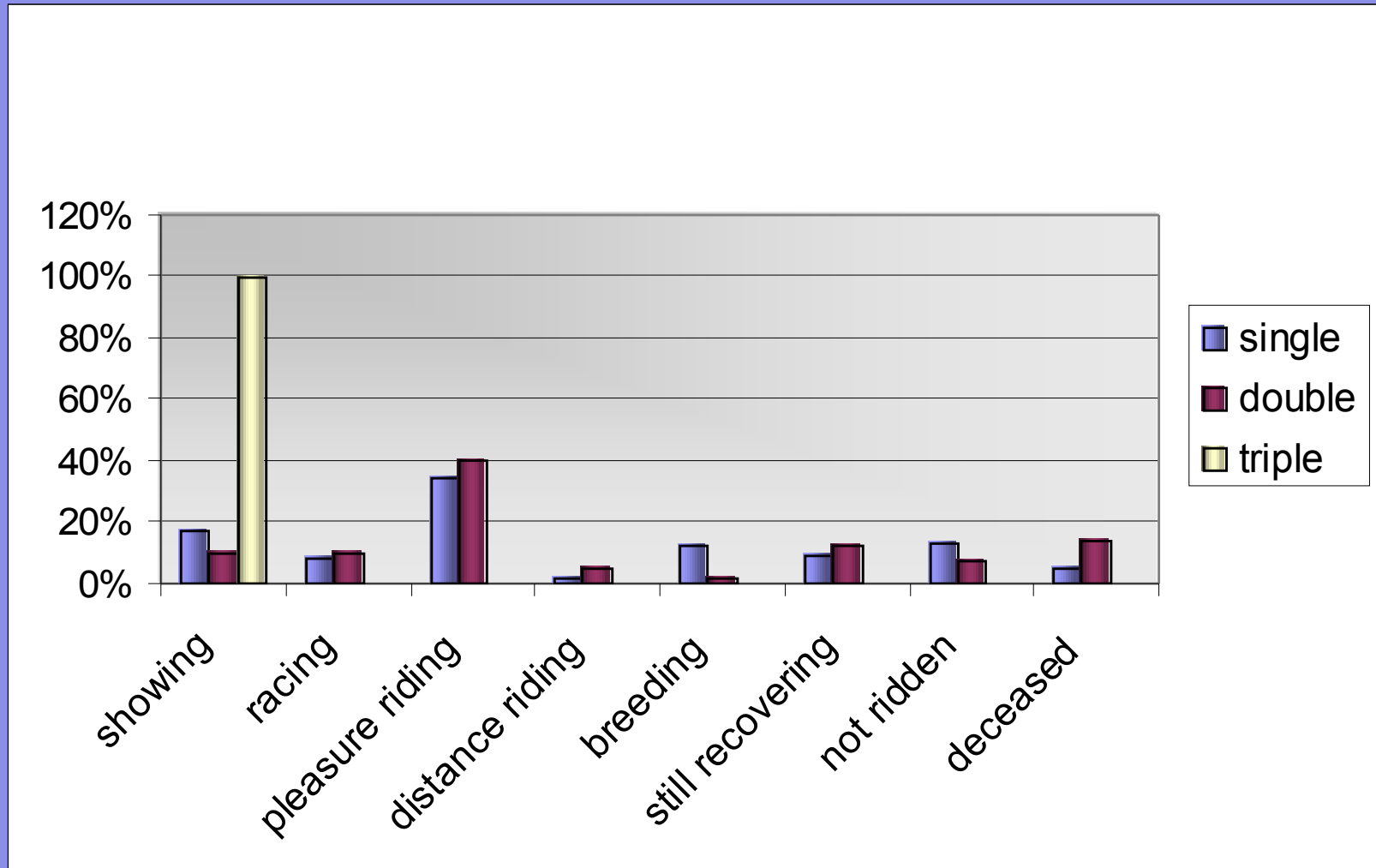
Neuro grades – compared before and after surgery



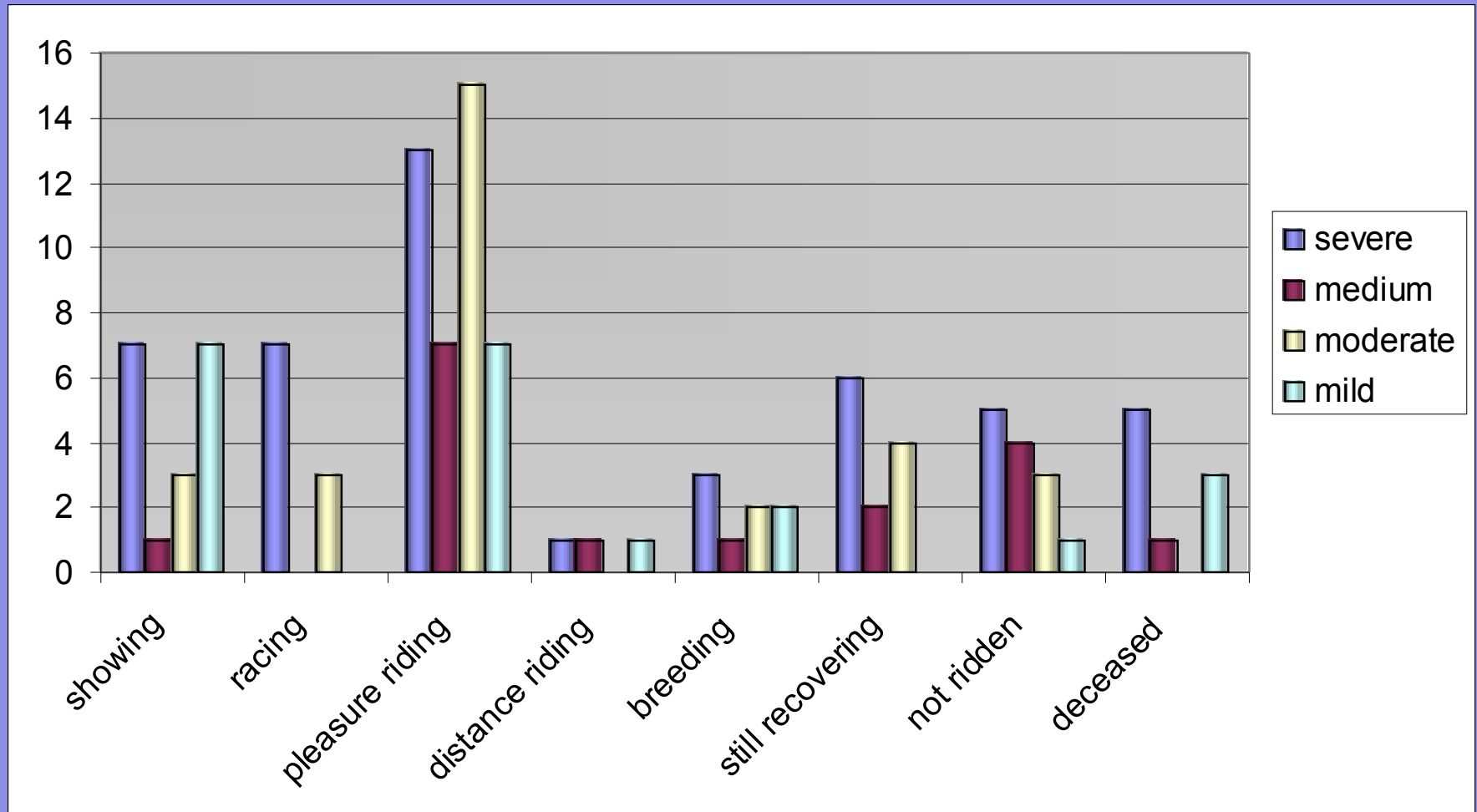
Long-term results: 4 months – 4 years after sx



Long-term results in correlation to number of performed fusions



Long-term results in correlation to the initial severity of spinal cord compression



THANK YOU !!!

Dr. Grant

Dr. Rantanen

Dr. Cannon

Prof. Gerhards

DAAD

The team of SLREH

And YOU for listening...

