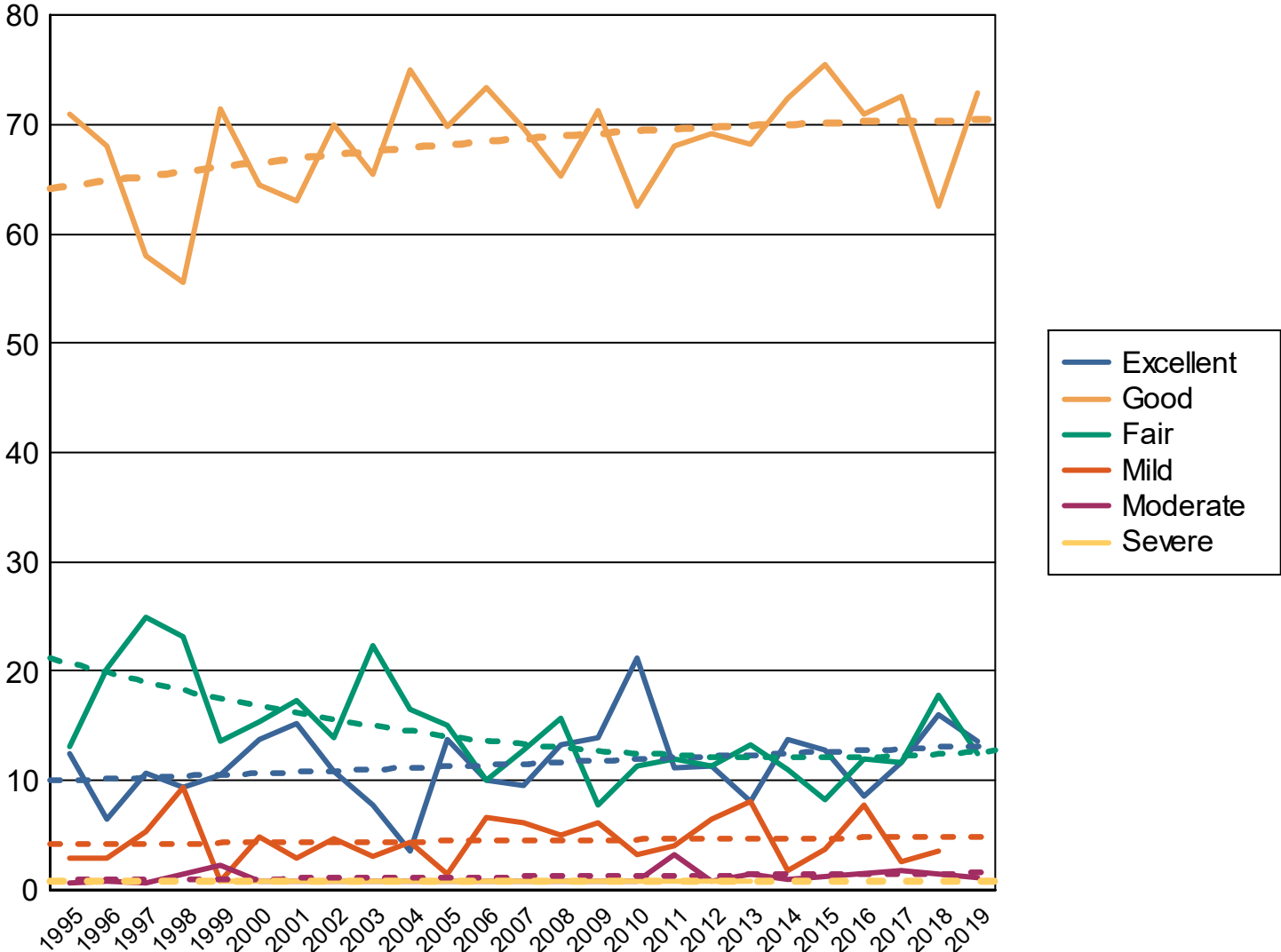


All data as of Dec-31-2021

Dysplastic rank, all breeds with more than 100 cases

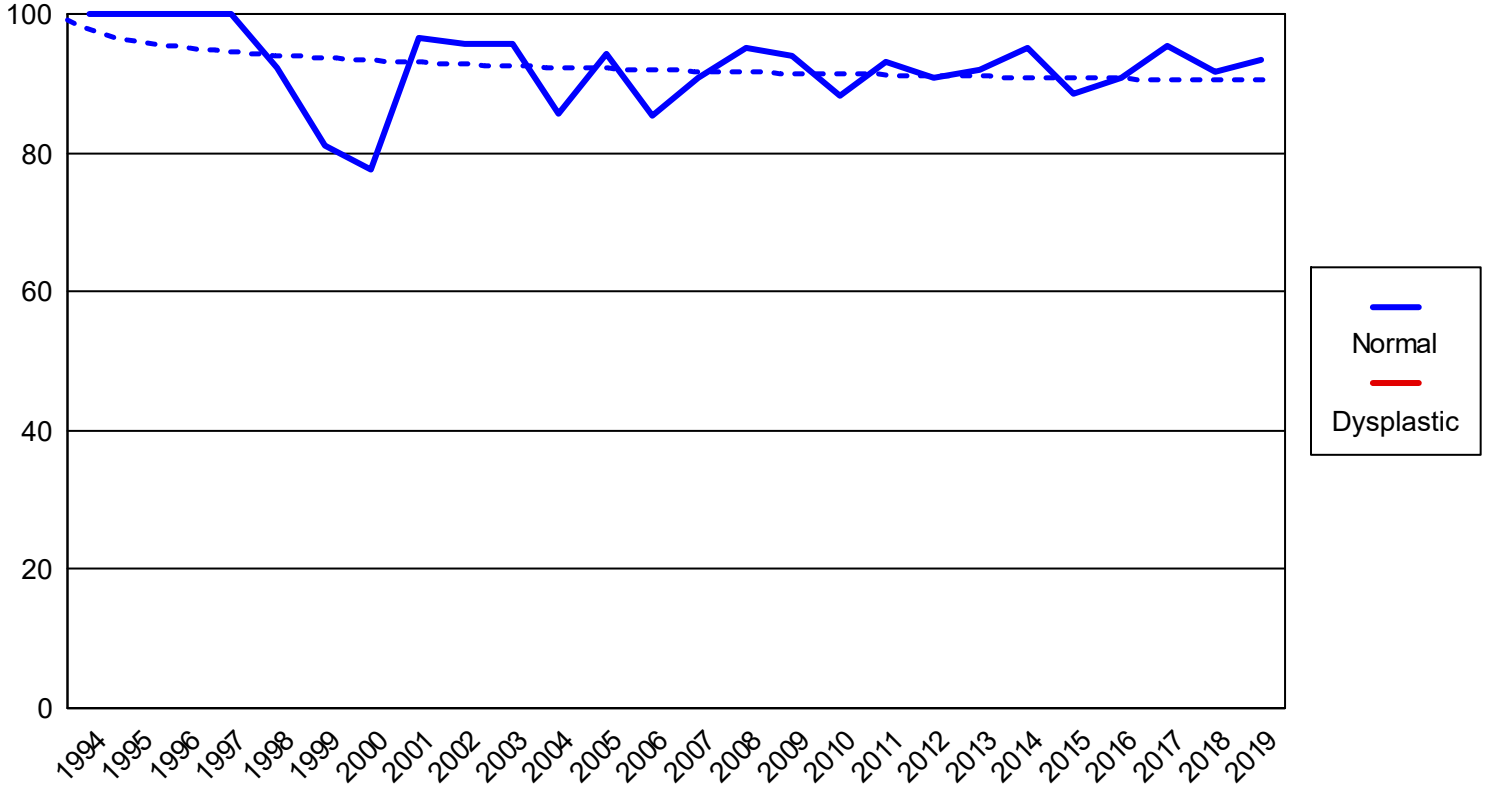
		Normals		Equival or Carrier		Abnormal	
Hips	147 of 196	5316	93.89%	1	0.02%	345	6.09%
Elbow	45 of 138	1717	91.04%	2	0.11%	167	8.85%
Congenital Cardiac		566	99.82%	1	0.18%	0	
Thyroid		457	87.21%	44	8.40%	23	4.39%
Patella		1802	97.35%	0		49	2.65%
Ovc Hips		5	100.00%	0		0	
Baer Hearing Test		1	100.00%	0		0	
Spine		2	9.09%	0		20	90.91%
Degenerative Myelopathy		2	50.00%	1	25.00%	1	25.00%
Basic Cardiac		73	100.00%	0		0	
Shoulder		19	100.00%	0		0	
Dentition Database		14	100.00%	0		0	
Mizzou Biomarker Study		1	100.00%	0		0	
Ovc Elbows		1	100.00%	0		0	
Advanced Cardiac		61	100.00%	0		0	
OFA EYE Registry		956	98.96%	0		10	1.04%
Primary Hyperparathyroidism		464	97.68%	0		11	2.32%

Hip percentages by rating with trendlines



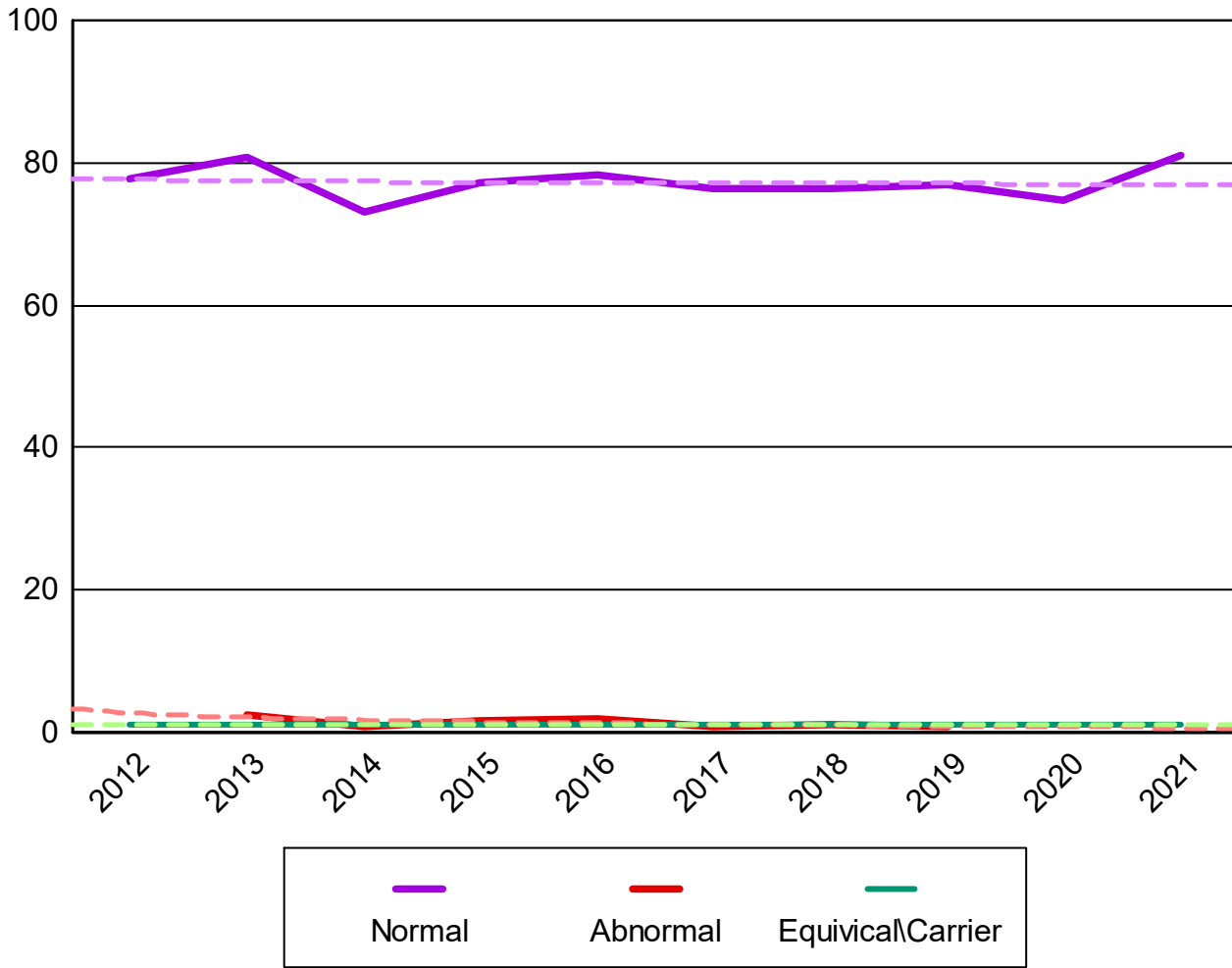
KEESHOND

Elbow percentages by rating with trendlines



EYES

KEESHOND



Percent submitted to the open registry
Hips

Report year	Cases	Excellent %	Good %	Fair %	Borderline %	Mild %	Moderate %	Severe %
1974	42	3 7.14%	18 42.86%	14 33.33%	0	3 7.14%	4 9.52%	0
1975	82	6 7.32%	48 58.54%	17 20.73%	0	5 6.10%	6 7.32%	0
1976	71	8 11.27%	38 53.52%	18 25.35%	0	1 1.41%	5 7.04%	1 1.41%
1977	74	8 10.81%	51 68.92%	11 14.86%	0	1 1.35%	2 2.70%	1 1.35%
1978	62	4 6.45%	44 70.97%	9 14.52%	0	2 3.23%	3 4.84%	0
1979	64	5 7.81%	43 67.19%	11 17.19%	0	2 3.13%	3 4.69%	0
1980	75	2 2.67%	47 62.67%	16 21.33%	1 1.33%	6 8.00%	2 2.67%	1 1.33%
1981	103	1 0.97%	81 78.64%	17 16.50%	2 1.94%	1 0.97%	1 0.97%	0
1982	103	5 4.85%	69 66.99%	23 22.33%	2 1.94%	3 2.91%	1 0.97%	0
1983	88	2 2.27%	59 67.05%	21 23.86%	2 2.27%	1 1.14%	3 3.41%	0
1984	83	2 2.41%	67 80.72%	8 9.64%	1 1.20%	5 6.02%	0	0
1985	86	4 4.65%	53 61.63%	22 25.58%	0	5 5.81%	2 2.33%	0
1986	126	6 4.76%	85 67.46%	20 15.87%	1 0.79%	11 8.73%	3 2.38%	0
1987	132	12 9.09%	86 65.15%	22 16.67%	0	7 5.30%	4 3.03%	1 0.76%
1988	116	14 12.07%	68 58.62%	25 21.55%	0	4 3.45%	5 4.31%	0
1989	131	11 8.40%	92 70.23%	20 15.27%	1 0.76%	4 3.05%	2 1.53%	1 0.76%
1990	117	10 8.55%	69 58.97%	27 23.08%	0	8 6.84%	3 2.56%	0
1991	147	12 8.16%	104 70.75%	20 13.61%	0	5 3.40%	4 2.72%	2 1.36%
1992	157	11 7.01%	104 66.24%	28 17.83%	0	11 7.01%	2 1.27%	1 0.64%
1993	179	15 8.38%	122 68.16%	28 15.64%	1 0.56%	7 3.91%	6 3.35%	0
1994	163	9 5.52%	120 73.62%	27 16.56%	1 0.61%	0	6 3.68%	0
1995	169	21 12.43%	120 71.01%	22 13.02%	0	5 2.96%	1 0.59%	0

Percent submitted to the open registry

Hips

Report year	Cases	Excellent %	Good %	Fair %	Borderline %	Mild %	Moderate %	Severe %
1996	137	9 6.52%	94 68.12%	28 20.29%	1 0.72%	4 2.90%	1 0.72%	0
1997	169	18 10.65%	98 57.99%	42 24.85%	1 0.59%	9 5.33%	1 0.59%	0
1998	160	15 9.38%	89 55.63%	37 23.13%	4 2.50%	15 9.38%	0	0
1999	133	14 10.53%	95 71.43%	18 13.53%	1 0.75%	1 0.75%	3 2.26%	1 0.75%
2000	124	17 13.71%	80 64.52%	19 15.32%	1 0.81%	6 4.84%	1 0.81%	0
2001	138	21 15.22%	87 63.04%	24 17.39%	1 0.72%	4 2.90%	1 0.72%	0
2002	130	14 10.77%	91 70.00%	18 13.85%	1 0.77%	6 4.62%	0	0
2003	130	10 7.69%	85 65.38%	29 22.31%	1 0.77%	4 3.08%	1 0.77%	0
2004	140	5 3.57%	105 75.00%	23 16.43%	1 0.71%	6 4.29%	0	0
2005	139	19 13.67%	97 69.78%	21 15.11%	0	2 1.44%	0	0
2006	120	12 10.00%	88 73.33%	12 10.00%	0	8 6.67%	0	0
2007	148	14 9.46%	103 69.59%	19 12.84%	3 2.03%	9 6.08%	0	0
2008	121	16 13.22%	79 65.29%	19 15.70%	1 0.83%	6 4.96%	0	0
2009	129	18 13.95%	92 71.32%	10 7.75%	0	8 6.20%	0	1 0.78%
2010	123	26 21.14%	77 62.60%	14 11.38%	1 0.81%	4 3.25%	1 0.81%	0
2011	125	14 11.20%	85 68.00%	15 12.00%	2 1.60%	5 4.00%	4 3.20%	0
2012	123	14 11.38%	85 69.11%	14 11.38%	1 0.81%	8 6.50%	1 0.81%	0
2013	135	11 8.15%	92 68.15%	18 13.33%	0	11 8.15%	2 1.48%	1 0.74%
2014	109	15 13.76%	79 72.48%	12 11.01%	0	2 1.83%	1 0.92%	0
2015	110	14 12.73%	83 75.45%	9 8.18%	0	4 3.64%	0	0
2016	117	10 8.55%	83 70.94%	14 11.97%	1 0.85%	9 7.69%	0	0
2017	120	14 11.67%	87 72.50%	14 11.67%	0	3 2.50%	2 1.67%	0
2018	112	18 16.07%	70 62.50%	20 17.86%	0	4 3.57%	0	0

Percent submitted to the open registry

Hips

<i>Report year</i>	<i>Cases</i>	<i>Excellent</i> %	<i>Good</i> %	<i>Fair</i> %	<i>Borderline</i> %	<i>Mild</i> %	<i>Moderate</i> %	<i>Severe</i> %
2019	96	13	70	12	0	0	1	0
	17.71%	13.54%	72.92%	12.50%			1.04%	
2020	124	23	76	19	2	3	0	1
	26.61%	18.55%	61.29%	15.32%	1.61%	2.42%		0.81%
2021	114	16	77	14	0	5	2	0
	22.81%	14.04%	67.54%	12.28%		4.39%	1.75%	
Totals	5,696	561	3,835	920	35	243	90	12
		9.85%	67.32%	16.15%	0.61%	4.27%	1.58%	0.21%

Elbow

<i>Report Year</i>	<i>Cases</i>	<i>Normal %</i>	<i>Grade 1 %</i>	<i>Grade 2 %</i>	<i>Grade 3 %</i>	<i>Borderline %</i>
1991	1	1 100.00%				
1992	2	1 50.00%	1 50.00%			
1993	6	6 100.00%				
1994	8	8 100.00%				
1995	6	6 100.00%				
1996	7	7 100.00%				
1997	7	7 100.00%				
1998	13	12 92.31%		1 7.69%		
1999	16	13 81.25%	3 18.75%			
2000	9	7 77.78%	2 22.22%			
2001	31	30 96.77%	1 3.23%			
2002	24	23 95.83%	1 4.17%			
2003	24	23 95.83%	1 4.17%			
2004	35	30 85.71%	3 8.57%		2 5.71%	
2005	53	50 94.34%	2 3.77%		1 1.89%	
2006	75	64 85.33%	8 10.67%	1 1.33%	1 1.33%	1 1.33%
2007	100	91 91.00%	7 7.00%	2 2.00%		
2008	85	81 95.29%	4 4.71%			
2009	100	94 94.00%	6 6.00%			
2010	94	83 88.30%	8 8.51%	3 3.19%		
2011	102	95 93.14%	2 1.96%	3 2.94%	2 1.96%	

Elbow

<i>Report Year</i>	<i>Cases</i>	<i>Normal %</i>	<i>Grade 1 %</i>	<i>Grade 2 %</i>	<i>Grade 3 %</i>	<i>Borderline %</i>
2012	111	101 90.99%	4 3.60%	4 3.60%	2 1.80%	
2013	112	103 91.96%	3 2.68%	5 4.46%	1 0.89%	
2014	104	99 95.19%	4 3.85%	1 0.96%		
2015	105	93 88.57%	8 7.62%	2 1.90%	2 1.90%	
2016	109	99 90.83%	9 8.26%	1 0.92%		
2017	110	105 95.45%	4 3.64%	1 0.91%		
2018	111	102 91.89%	5 4.50%	4 3.60%		
2019	93	87 93.55%	1 1.08%	2 2.15%	3 3.23%	
2020	122	103 84.43%	17 13.93%	1 0.82%	1 0.82%	
2021	111	93 83.78%	12 10.81%	4 3.60%	1 0.90%	1 0.90%
Totals	1,886	1,717 91.04%	116 6.15%	35 1.86%	16 0.85%	2 0.11%

Advanced Cardiac

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
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Keeshond

2016	10	10	100.0				
2017	7	7	100.0				
2018	15	15	100.0				
2019	24	24	100.0				
2020	4	4	100.0				
2021	1	1	100.0				
Totals	61	61	100.0				

Baer Hearing Test

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
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Keeshond

2020	1	1	100.0				
Totals	1	1	100.0				

Congenital Cardiac

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
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Keeshond

1999	1	1	100.0				
2001	7	7	100.0				
2002	2	2	100.0				
2003	11	11	100.0				
2004	8	8	100.0				
2005	5	5	100.0				
2006	14	14	100.0				
2007	45	45	100.0				
2008	20	20	100.0				
2009	22	22	100.0				
2010	22	22	100.0				
2011	33	32	97.0			1	3.0
2012	43	43	100.0				
2013	37	37	100.0				
2014	42	42	100.0				
2015	59	59	100.0				
2016	35	35	100.0				
2017	44	44	100.0				
2018	42	42	100.0				
2019	32	32	100.0				
2020	42	42	100.0				
2021	1	1	100.0				
Totals	567	566	99.8			1	0.2

Degenerative Myelopathy

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
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Degenerative Myelopathy

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
Keeshond							
2014	1	1	100.0				
2015	2			1	50.0	1	50.0
2020	1	1	100.0				
Totals	4	2	50.0	1	25.0	1	25.0

Dentition Database

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
Keeshond							
2013	2	2	100.0				
2014	1	1	100.0				
2017	1	1	100.0				
2018	2	2	100.0				
2019	3	3	100.0				
2020	3	3	100.0				
2021	2	2	100.0				
Totals	14	14	100.0				

Eyes

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Breeder opt.</i>	<i>% Breeder opt.</i>
Keeshond							
2012	9	7	77.8			2	22.2
2013	78	63	80.8	2	2.6	13	16.7
2014	108	79	73.2	1	0.9	28	25.9
2015	131	101	77.1	2	1.5	28	21.4
2016	111	87	78.4	2	1.8	22	19.8
2017	110	84	76.4	1	0.9	25	22.7
2018	93	71	76.3	1	1.1	21	22.6
2019	121	93	76.9	1	0.8	27	22.3
2020	99	74	74.8			25	25.3
2021	106	86	81.1			20	18.9
Totals	966	745	77.1	10	1.0	211	21.8

Patella

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
Keeshond							
1994	5	5	100.0				
1995	12	11	91.7	1	8.3		
1996	7	2	28.6	5	71.4		
1997	9	7	77.8	2	22.2		
1998	17	15	88.2	2	11.8		
1999	9	7	77.8	2	22.2		
2000	13	13	100.0				
2001	30	29	96.7	1	3.3		

Patella

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
2002	26	26	100.0				
2003	31	30	96.8	1	3.2		
2004	39	39	100.0				
2005	53	53	100.0				
2006	59	59	100.0				
2007	113	112	99.1	1	0.9		
2008	71	71	100.0				
2009	85	85	100.0				
2010	99	98	99.0	1	1.0		
2011	91	90	98.9	1	1.1		
2012	107	104	97.2	3	2.8		
2013	99	95	96.0	4	4.0		
2014	111	109	98.2	2	1.8		
2015	104	98	94.2	6	5.8		
2016	100	98	98.0	2	2.0		
2017	99	96	97.0	3	3.0		
2018	116	112	96.6	4	3.5		
2019	96	96	100.0				
2020	137	132	96.4	5	3.7		
2021	113	110	97.4	3	2.7		
Totals	1851	1802	97.4	49	2.7		

Primary Hyperparathyroidism

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Carrier</i>	<i>% Carrier</i>
Keeshond							
2007	175	171	97.7	4	2.3		
2008	39	34	87.2	5	12.8		
2009	6	6	100.0				
2010	25	25	100.0				
2011	10	10	100.0				
2012	29	27	93.1	2	6.9		
2013	13	13	100.0				
2014	5	5	100.0				
2015	8	8	100.0				
2016	22	22	100.0				
2017	26	26	100.0				
2018	70	70	100.0				
2019	25	25	100.0				
2020	4	4	100.0				
2021	18	18	100.0				
Totals	475	464	97.7	11	2.3		

Shoulder

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>
Keeshond					
2005	3	3	100.0		
2009	1	1	100.0		

Shoulder

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>
2011	1	1	100.0		
2013	4	4	100.0		
2015	3	3	100.0		
2016	1	1	100.0		
2017	1	1	100.0		
2018	1	1	100.0		
2020	2	2	100.0		
2021	2	2	100.0		
Totals	19	19	100.0		

Thyroid

<i>Report year</i>	<i>Cases</i>	<i>Normal</i>	<i>% Normal</i>	<i>Abnormal</i>	<i>% Abnormal</i>	<i>Equivocal</i>	<i>% Equivocal</i>
Keeshond							
1996	2	2	100.0				
1997	4	3	75.0	1	25.0		
1998	5	3	60.0			2	40.0
1999	4	2	50.0	1	25.0	1	25.0
2000	2	1	50.0			1	50.0
2001	16	14	87.5	1	6.3	1	6.3
2002	9	7	77.8	1	11.1	1	11.1
2003	14	13	92.9			1	7.1
2004	27	23	85.2	1	3.7	3	11.1
2005	30	26	86.7	3	10.0	1	3.3
2006	27	23	85.2			4	14.8
2007	60	54	90.0	2	3.3	4	6.7
2008	42	33	78.6	6	14.3	3	7.1
2009	54	46	85.2	1	1.9	7	13.0
2010	38	33	86.8			5	13.2
2011	27	25	92.6			2	7.4
2012	31	26	83.9	1	3.2	4	12.9
2013	30	28	93.3	2	6.7		
2014	23	21	91.3			2	8.7
2015	9	9	100.0				
2016	14	14	100.0				
2017	8	7	87.5	1	12.5		
2018	12	10	83.3	1	8.3	1	8.3
2019	8	8	100.0				
2020	8	8	100.0				
2021	19	17	89.5	1	5.3	1	5.3
Totals	523	456	87.2	23	4.4	44	8.4