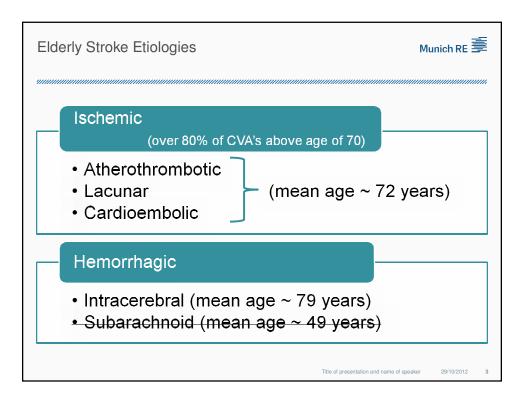
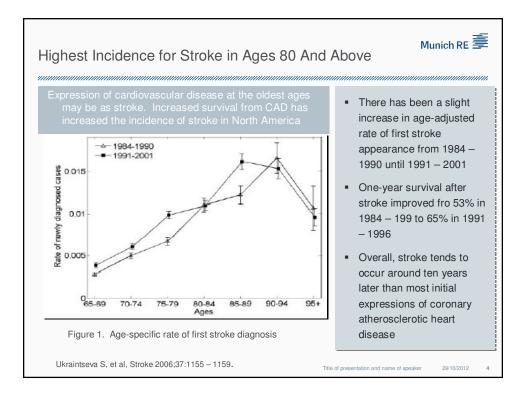
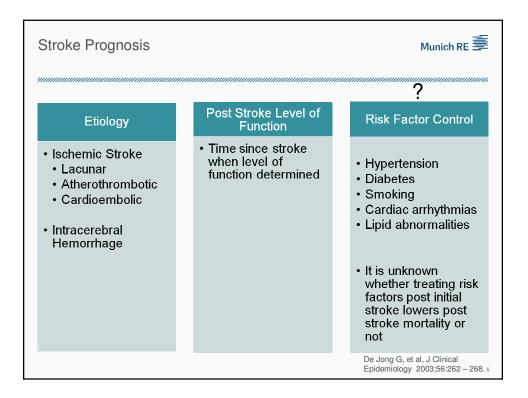
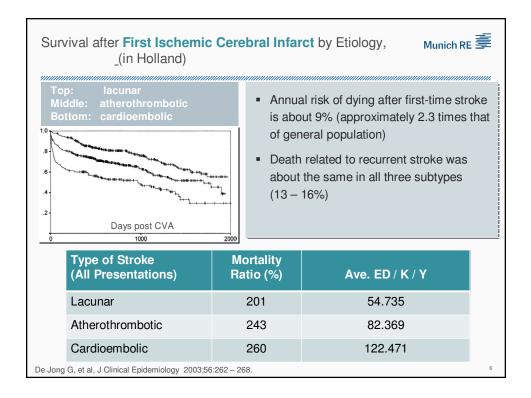
	Munich RE 差
NEUROLOGICAL PROBLE	EMS IN THE ELDERLY,
Stroke Parkinsonism and Pa	arkinson's Disease
AAIM October 17, 2012	Robert Lund, MD

Munich RE 🚎
STROKE

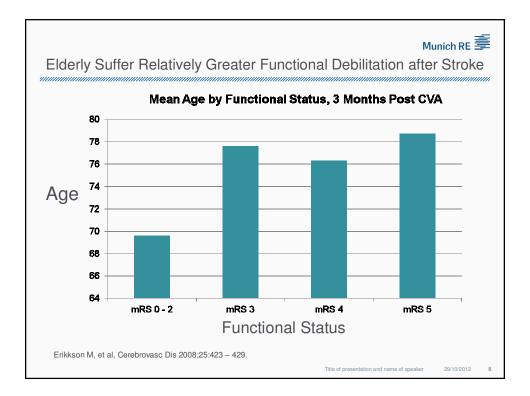


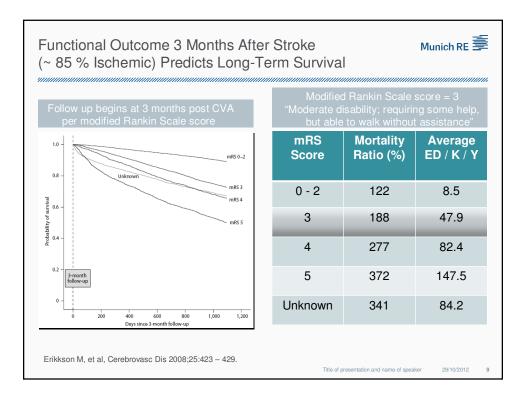


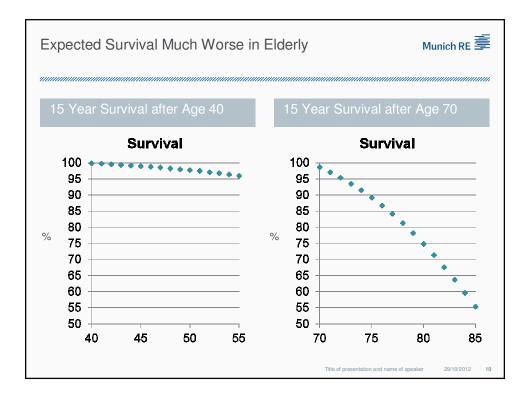


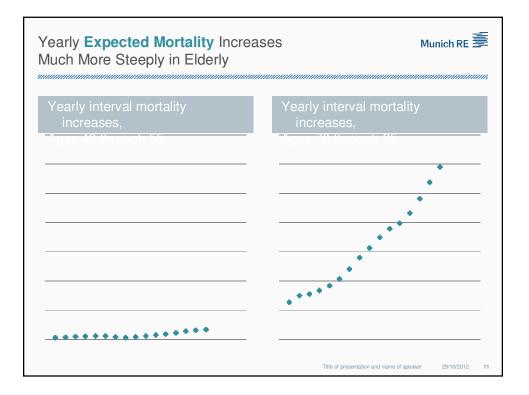


Post Str	roke Level of Function Munich RE ∰ Modified Rankin Scale (mRS)
Score	Description
0	No symptoms at all
1	No significant disability despite symptoms; able to carry out all usual duties and activities
2	Slight disability; unable to carry out all previous activities, but able to look after own affairs without assistance
3	Moderate disability; requiring some help, but able to walk without assistance
4	Moderately severe disability; unable to walk without assistance and unable to attend to own bodily needs without assistance
5	Severe disability; bedridden, incontinent, and requiring constant nursing care and attention
6	Dead
Chiu HT, e	t al, Arch Phys Med Rehabil 2012;93:527 - 31. Title of presentation and name of speaker 29/10/2012 7

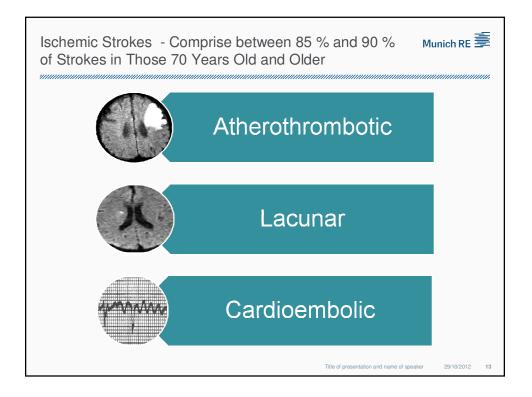


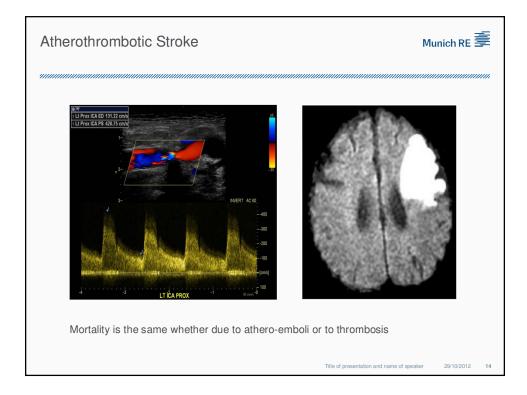


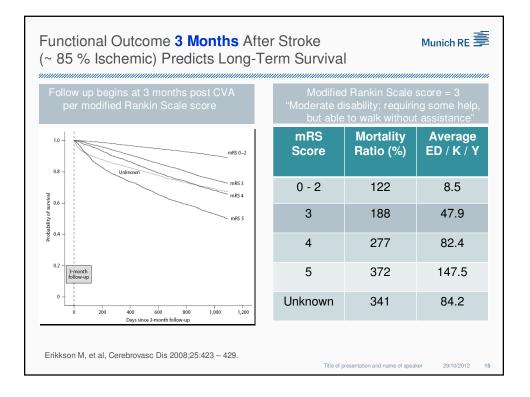


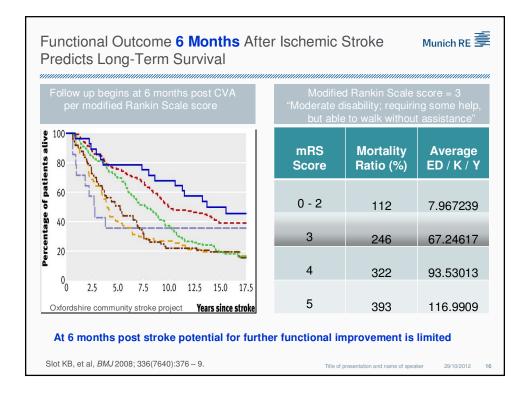


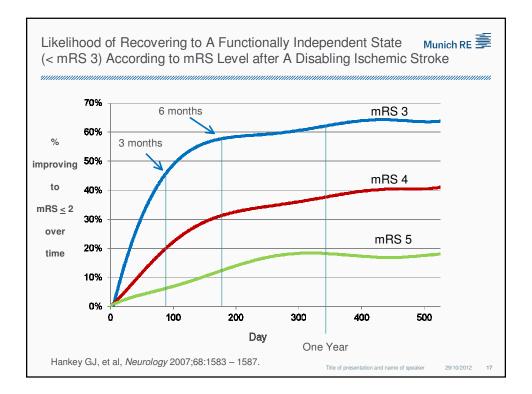
Effect of Rapidly Rising Expected Mortality on Mortality Munich RE					
	Stroke survivors with moderate disability ( <b>mRS = 3</b> ) Mean age = 77.6 years, Mortality Ratio = 188 %, Average ED / K / Y = 47.876				
	Annual Excess Deaths lity Ratios in the Elder				
Age	Mortality Ratio (%)	Ave. ED / K / Y			
70	283	47.876			
74	225	47.876			
78	78 185 47.876				
82	82 156 47.876				
86	86 137 47.876				
Erikkson M, et al, Cerebrovasc Dis 2008;25:423 – 429. Title of presentation and name of speaker 25/10/2012 12					





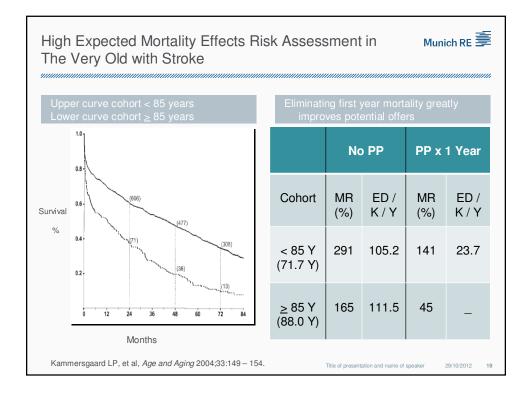


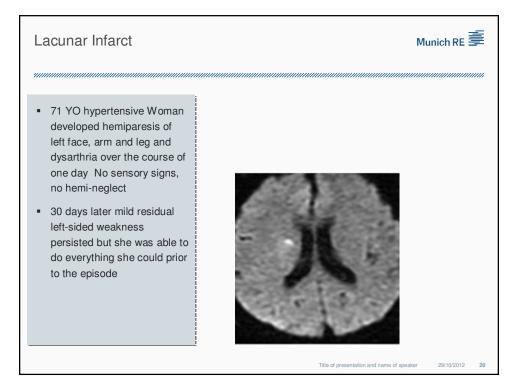


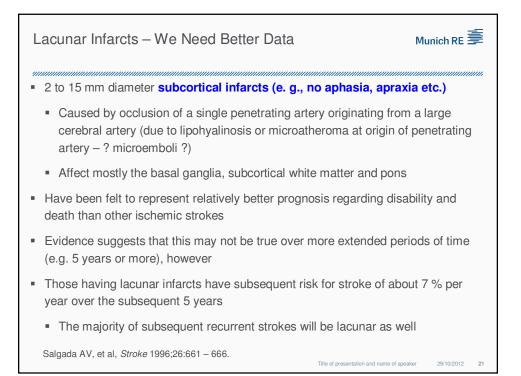


**Stroke in The Very Old:** Traditional Risk Factors Less, Munich RE Atrial Fibrillation More, Vast Majority Are Ischemic Strokes

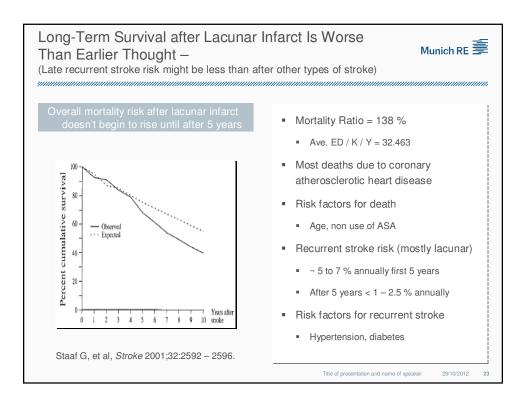
	< 85 Years (%)	<u>&gt;</u> 85 Years	(%)		
Female	50.5	75.4			
Living Alone	53.5	83.5			
Atrial Fibrillation	14.6	37.4		▲	
Smoking	49.9	17.8	_ ↓		
Diabetes	22.0	13.7	<b>V</b>		
Hypertension	34.4	25.3			
Daily Alcohol	33.5	15.9	V		
Cerebral Hemorrhage	8.0	6.7	V		
Scandinavian Stroke Scale	36.9	30.9			
Died Acutely or D/C'd to NH	31.2	58.6			
Less than 10% of those $\ge$ 85 suffering from stroke were alive and living in their own home after 5 years from onset					
Kammersgaard LP,et al, Age and Aging 2004;33:149 – 154. Title of presentation and name of speaker 29				12	

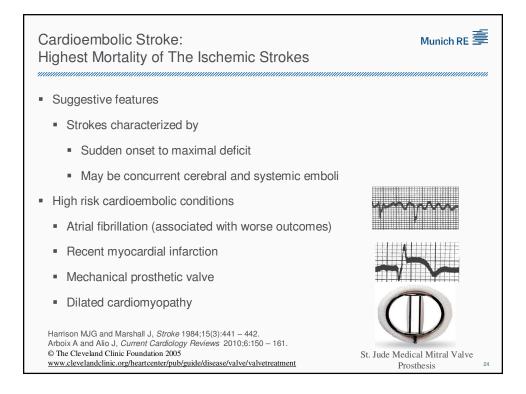




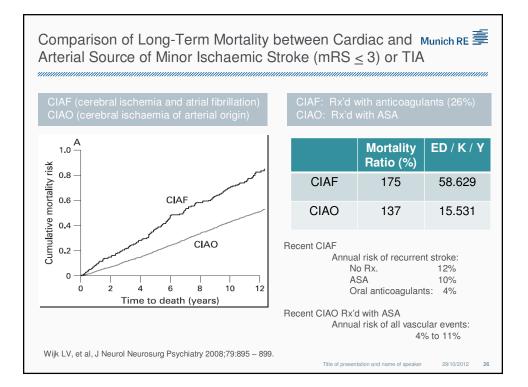


The Early Favorable Prognostic Course of Lacunar Munich RE					
	or Death and Recurrent Str ar Strokes Relative to Lacu				
Time from Initial Stroke	Death (Odds Ratio vs. Lacunar)	Recurrent Stroke (Odds Ratio vs. Lacunar)			
1 month	3.81	2.11			
1 – 12 months	2.32	1.24			
1 – 5 years	1 – 5 years 1.77 1.61				
Jackson C and Sudlow C, Brain 2005;128(Pt 11):2507 – 2517. Title of presentation and name of speaker 29/10/2012 22					



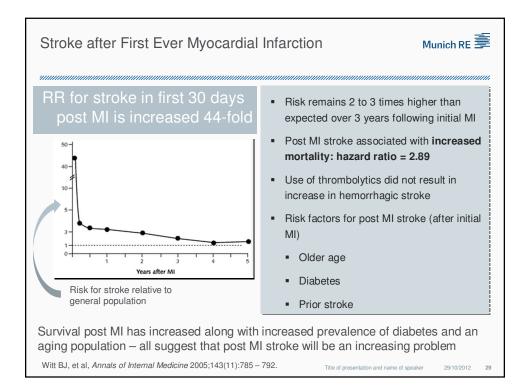


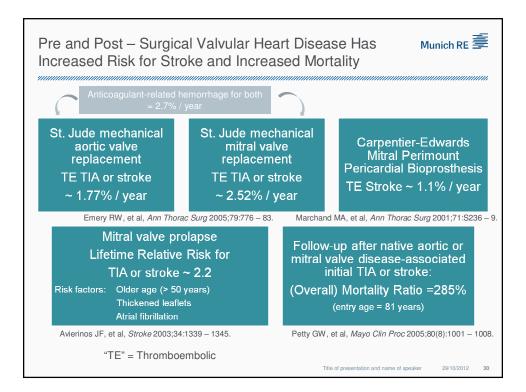
Type of Stroke (%)		Years of Age	
	65 - 74	75 - 84	<u>&gt;</u> 85
Atherothrombotic	31.7	32.3	31.4
Lacunar	31.7	24	<b>↓</b> 19.5
Cardioembolic	20	29.5	36 🚺
Unknown Cause	13.8	11.2	12.2
Unusual Cause	2.8	3.0	1.0

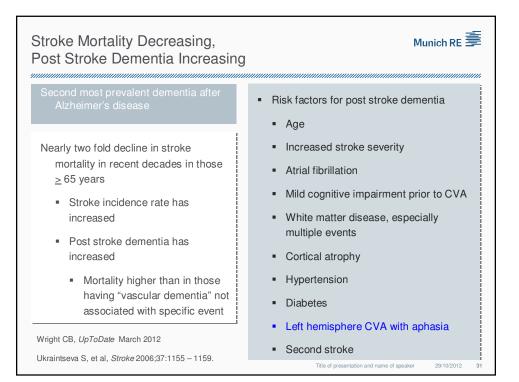


Initially Hospitalized with Atrial Fibrillation and Some Form of Cardiovascular Disease Versus Cardiovascular Disease Alone Follow Up for Three Years								
Mortality rate ~ 20% higher when atrial fibrillation complicates cardiovascular disease, Mortality generally higher in women								
Age	Cardiov	asc. Dis.	With Atri	al Fib.	Cardiov	asc. Dis.	(No Atria	l Fib.)
	No Po	stpone	Postpon	e x 1 Yr.	No Po	stpone	Postpon	e x 1 Yr.
Men	MR (%)	ED/K/Y	MR (%)	ED/K/Y	MR (%)	ED/K/Y	MR (%)	ED/K/Y
65 - 74	339	107.64	239	57.50	265	72.43	202	41.68
75 – 84	219	136.36	185	80.96	191	99.40	155	51.51
85 - 89	177	174.92	162	100.68	161	133.41	144	71.91
Wome n	MR (%)	ED/K/Y	MR (%)	ED/K/Y	MR (%)	ED/K/Y	MR (%)	ED/K/Y
65 - 74	516	104.16	342	55.95	386	69.64	271	39.67
75 – 84	295	132.86	230	76.82	224	80.27	168	40.44
85 - 89	204	157.75	175	89.52	167	93.76	133	39.54
Wolf PA, et a	al, Arch Intern	<i>Med</i> 1998;158	:229 – 234.		Title of p	resentation and nam	e of speaker 2	29/10/2012 <b>27</b>

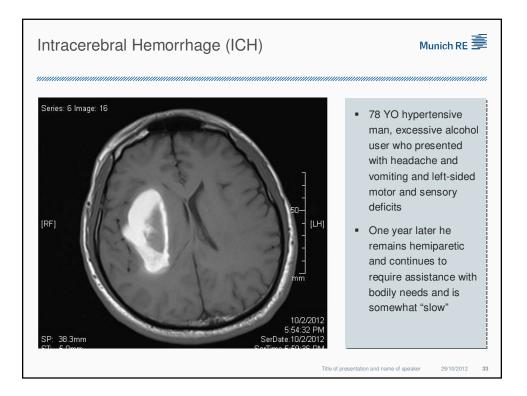
Both Atri Three	al Fibrilla year cu	Medicare tion And mulative ial hosp	Cardiova e risk of	scular Di stroke				
	With Oth Cardiova Disease	er	No Other Cardiova Disease	r		and atrial fibrillation had stroke rates significantly higher (up to 5 times) than those		
Men	Atrial fib.	No a. fib.	Atrial fib.	No a. fib.		with no CV disease,		
65 - 74	10.8	8.7	3.7	1.9		including no atrial		
75 – 84	12.0	13.8	4.6	3.2		fibrillation		
85 - 89	14.8	13.9	4.6	4.0		■ Women ≥ 75 years		
						with CV disease and		
Women	Atrial fib.	No a. fib.	Atrial fib.	No a. fib.		atrial fibrillation had nearly 20% chance of		
65 - 74	11.7	7.5	2.4	1.4		stroke over the 3 years		
75 – 84	18.8	12.3	5.6	3.8		since hospitalization		
85 - 89	19.7	14.8	6.4	5.0				
Wolf PA, et al, J	Wolf PA, et al, Arch Intern Med 1998;158:229 – 234. Title of presentation and name of speaker 29/10/2012 28							

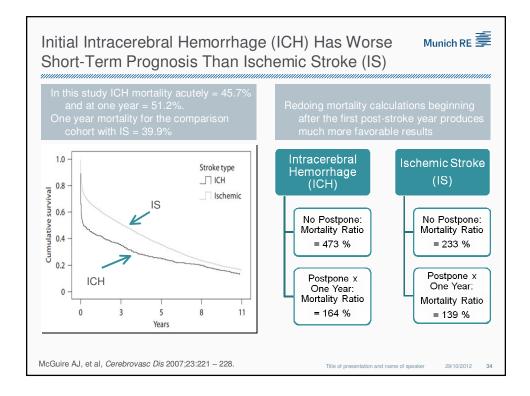


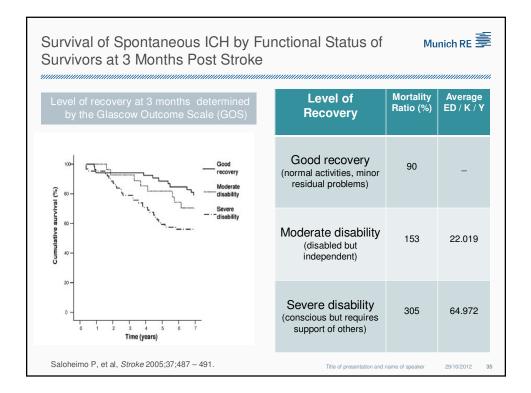


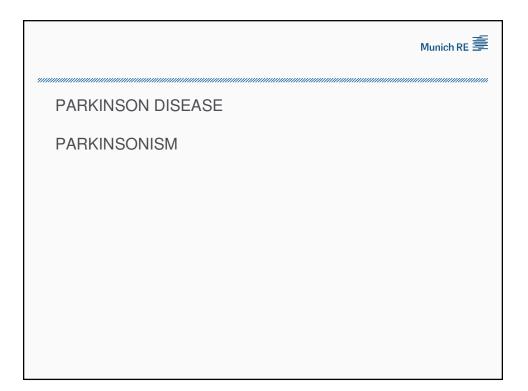


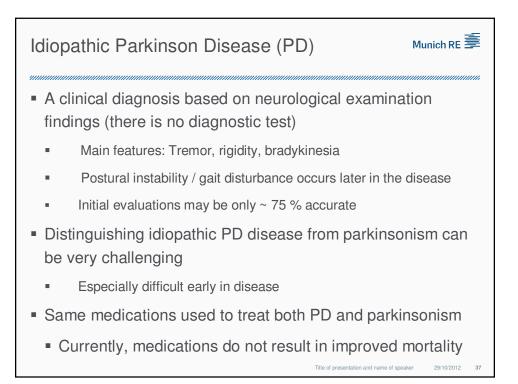
Temporal Association of Stroke to Development of Munich RE				
84 Year Old N	linnesota Residents			
Type of Dementia	Mortality Ratio (%) Ave. ED / K / Y			
Alzheimer's Disease	117	32.615		
Vascular Dementia (multi-infarct dementia)	181	98.112		
Post Stroke Dementia temporally related to CVA	268	210.518		
Knopman DS, et al, Arch Neurol 2003;60:85 – 90. Title of presentation and name of speaker 29/10/2012 32				

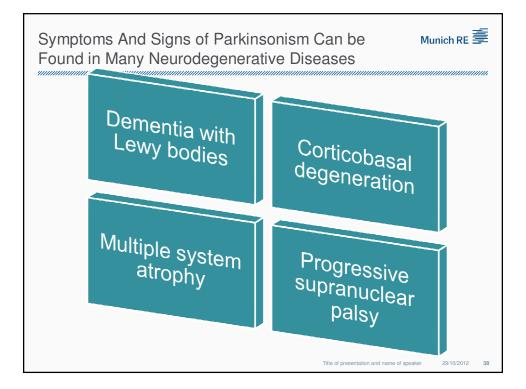


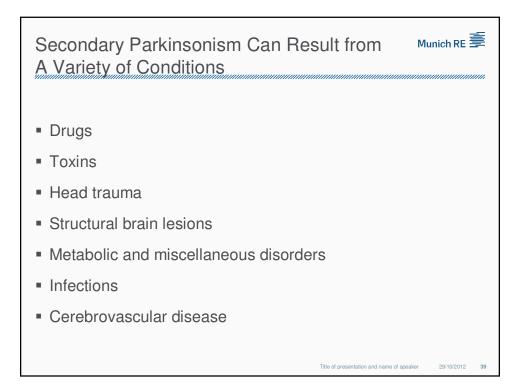


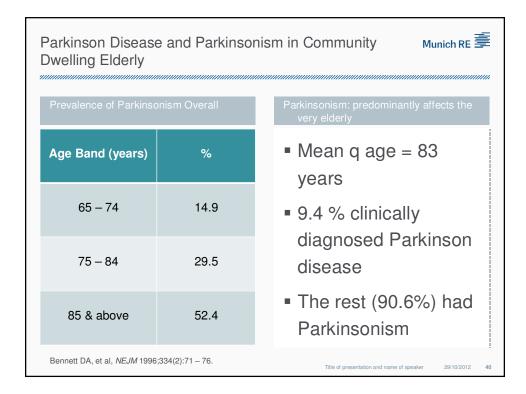


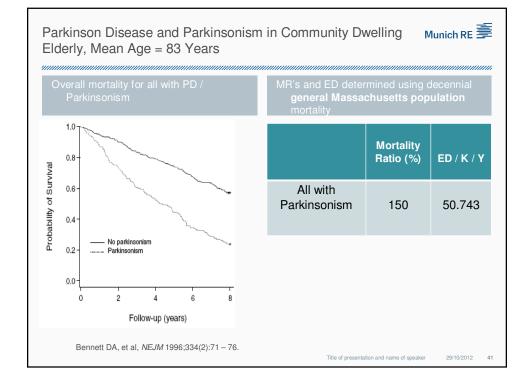


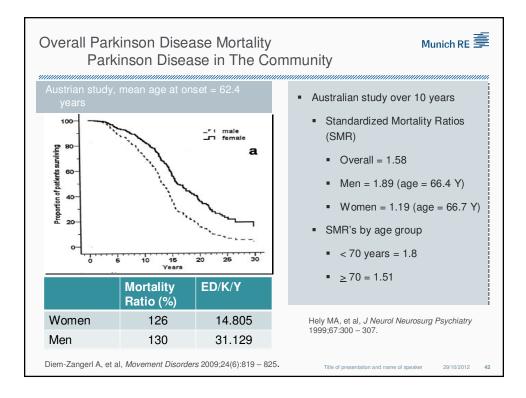


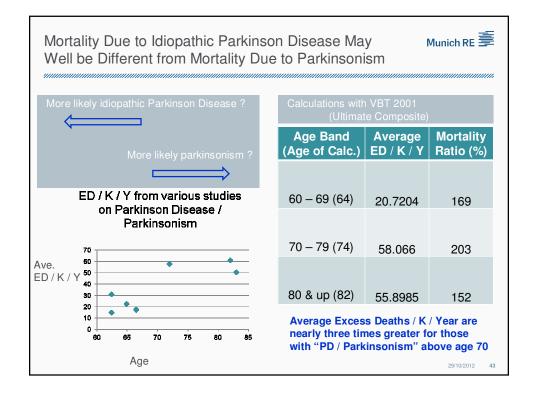


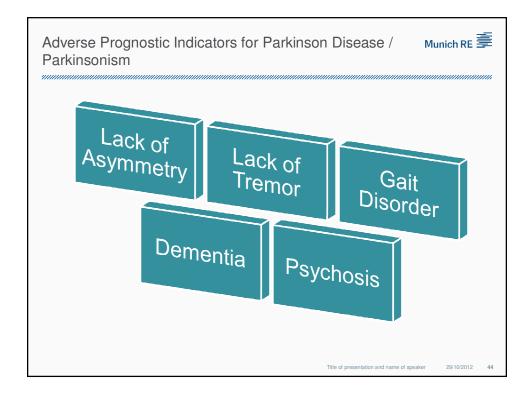


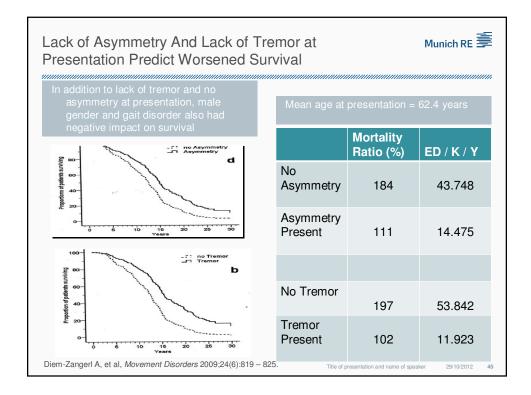


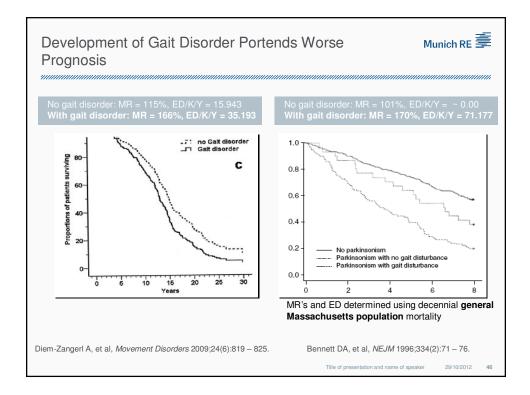


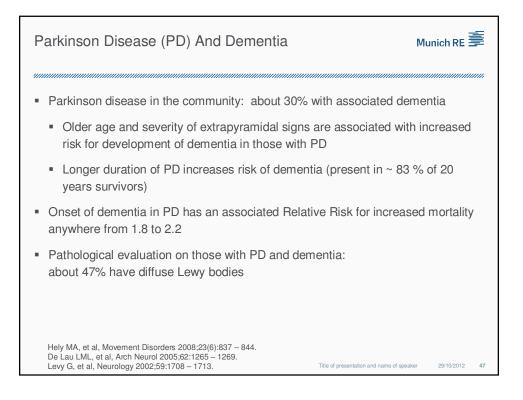


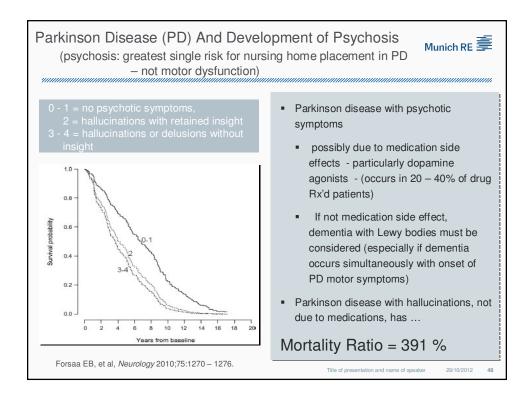


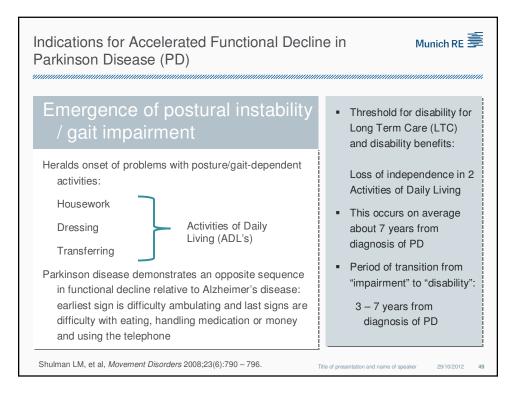


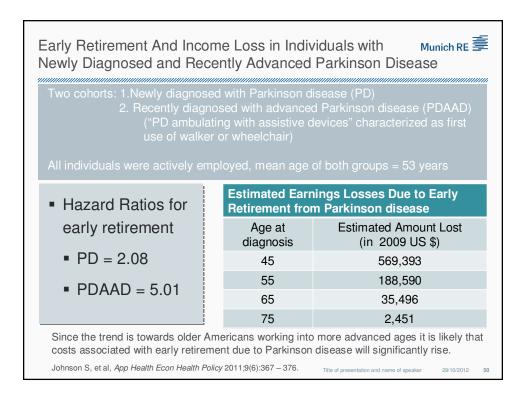


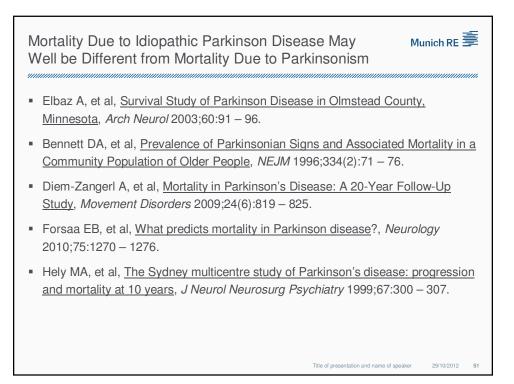












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THANK YOU