Pretest: Stimulus Validation

Encoding Presentation of 20 halved stimuli, completion of the stimuli to symmetrical stimuli was demanded and subjects had to rate each stimulus on 4 variables, while the presentation of the stimulus:

Recognition Recognition test for the, now completely presented 20 stimuli and 20 distractor stimuli. The results of the recognition test were used to calculate the discriminability of the items d' for every stimulus.

Results The ratings of the stimulus features were strongly inter-correlated, but not significantly correlated with the discriminabilitiy of the stimuli, d'. A principle component analysis of stimulus features was conducted, resuming in s single factor structure with the factor ease of imagery (EI). EI explains 79.33% of the variance and has an eigenvalue of 3.97. Intercorrelation of stimulus features, and discriminability d' and correlation with extracted factor from PCA are depicted in the following Table.

Table 1
Inter-correlations of stimulus features, and discriminability d' and correlation with extracted factor from PCA

Pearson's r (n=80)	dImag	eImag	com	fam	sem	EI	d'
dImag	-	-.79***	.59***	-.75***	-.70***	-.86***	-.03
eImag		-	.82***	.89***	.78***	.96***	-.02
com			-	-.65***	-.57***	-.83***	.09
fam				-	.86***	.94***	-.04
sem					-	.86***	.09