

3D Images on CT based EDS

**besides being cool, what are they
actually good for?**

**Results of a HBS 2D/3D/OSARP study
conducted by CASRA**

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CASRA:

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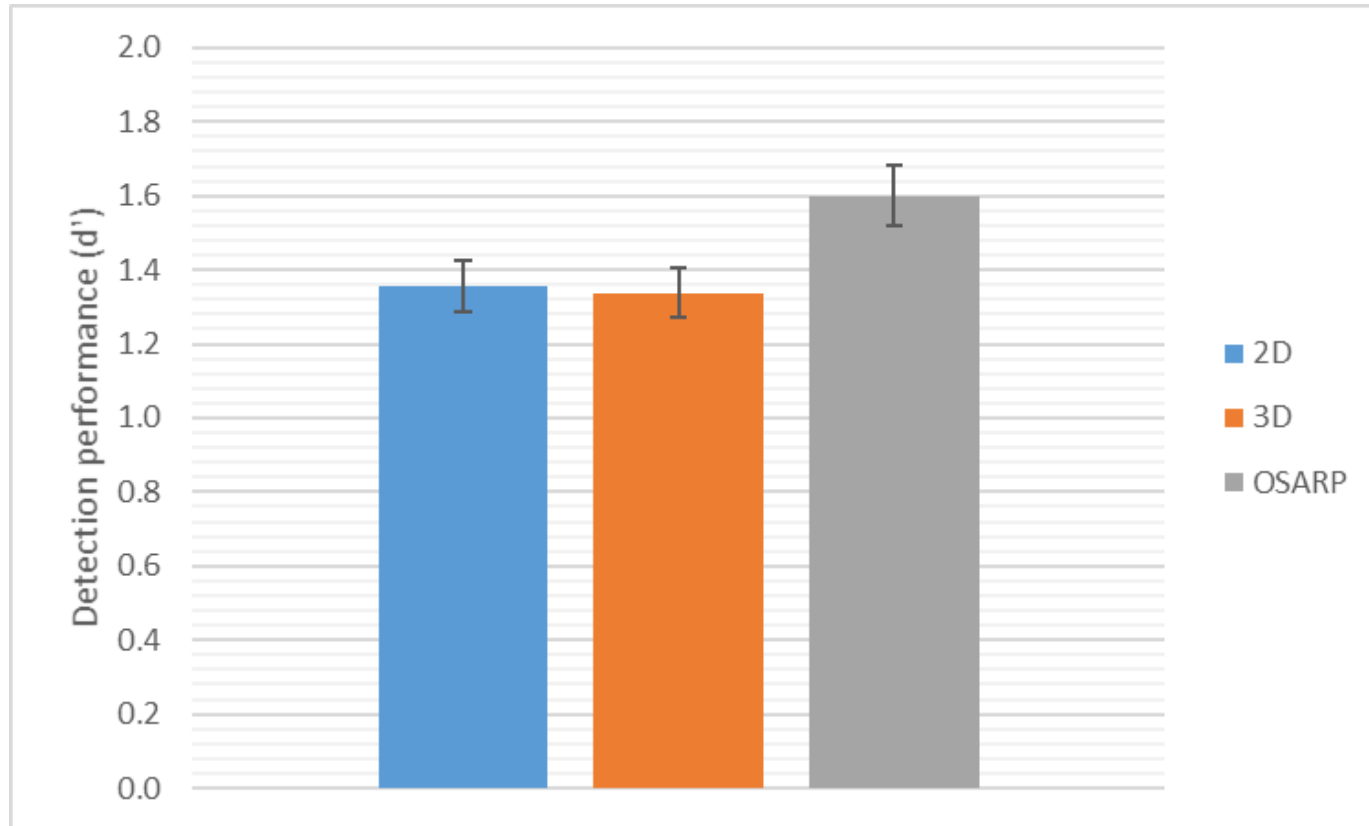
Dr. Sarah Merks

Prof. Dr. Adrian Schwaninger

So what? Who cares?



Results – Detection Performance



A one-way between subjects ANOVA with detection performance (d') as the dependent variable showed a significant effect for condition, $F(2, 62) = 3.28$, $p = .045$, $\eta^2 = .100$. Posthoc tests using Holm-Bonferroni corrections were used for pairwise comparisons. There was no difference in performance between the 2D and 3D condition ($p = .870$). With 3D imaging and OSARP, detection performance (d') was higher than with 2D and 3D imaging (Figure 1) although this effect did not reach statistical significance due to small sample size and low statistical power (3D imaging with OSARP vs 2D imaging, $p = .062$, 3D imaging with OSARP vs 3D imaging, $p = .055$).

My points, hopefully your takeaways

- A terrible analogy

Hog Hair
Toothbrush



My old
Toothbrush



Sonic
Toothbrush



- HBS - It's old, boring (to some) and no longer sexy, but we're not done
 - Develop (or adopt) a 3D tailored OSARP
 - Pilot it in the field, measure performance attributes
 - Regulator approval/certification of OSARP
 - Fold (most of) it into ATR