When limited to men
Control
Control
penile bulb was reduced for mean (21 vs 11 Gy), Dmax (46 vs 36 Gy), and V10-V30 (all p<0.05). For those
prostate IMRT to 79.2 Gy. Here we evaluated dose to penile bulb as well as sexual function on this trial
erections sufficient for intercourse (p=0.03). Baseline EPIC sexual function was 53 (±24) with 54% having
potent at baseline there was an inverse correlation between mean penile bulb dose and ability to maintain
power to detect a change of 11-points in EPIC between arms and 27% power to detect a difference of 22-37.5% in the Control arm as compared to 66.7% in the Spacer arm at 3-years. Power analysis revealed 35%
more likely to have erections sufficient for intercourse from 6-36 months post enrollment (p=0.03) which was
75% for 11-point decline (p=0.064) and 41% vs 60% for 22-point decline (p=0.11). A small number of men were
statistical significance (p=0.07). Based on MCD and twice that there was a trend favoring Spacer with 53% vs

Conclusion: This secondary analysis of a randomized phase 3 trial for men treated with IGRT/IMRT found:
• A decrease in penile bulb radiation dose with Spacer (Fig 1, p=0.05)
• An inverse correlation between penile bulb dose and patient reported ability to maintain
erections sufficient for intercourse. (Fig 2, p=0.03)
When analyzed by treatment arm men with adequate sexual function at baseline treated with Spacer had:
• A trend to clinically significant smaller decline in mean EPIC summary score (Fig 3, p=0.07)
• A trend to a smaller proportion with declines of 11-points (Fig 4, p=0.06)
In those potent at baseline, better maintenance of erections sufficient for intercourse from 6-months through 3-years (Fig 5, p=0.03)

Not all QOL differences by treatment arm were statistically significant.
• However, given that <50% of men were potent at baseline, respective statistical power to detect these secondary analyses was ~25-35% limiting conclusions.

Funding for this study provided by Augmente, Inc. (Waltham, MA)
Other disclosures available in program booklet