

MSE vs Poisson Benchmark Results (Patient P5)

| Model | Resolution | Loss | PCC_2μm | SSIM_2μm | PCC_8μm | SSIM_8μm |
|-------|------------|------------|---------|----------|---------|----------|
| A | 8μm | MSE | 0.347 | 0.502 | 0.511 | 0.141 |
| B | 8μm→2μm | Bicubic | 0.356 | 0.157 | 0.511 | 0.141 |
| C | 8μm | Poisson | 0.354 | 0.547 | 0.524 | 0.171 |
| D | 2μm | MSE | 0.356 | 0.277 | 0.253 | 0.087 |
| E | 2μm | Poisson | 0.349 | 0.553 | 0.510 | 0.174 |
| V7 | 2-16μm | Poisson+MS | 0.355 | 0.548 | 0.526 | 0.171 |