To Whom It May Concern:

This letter is to appeal the denial decision regarding the use of IMRT to irradiate the right breast and comprehensive lymph nodes including the internal mammary nodes (IMNs) for xxxx, a XXX year-old woman with XXXXXX – invasive ductal carcinoma, her presentation included the high risk feature of extranodal extension. Given the presence of extranodal extension, the delays in her care introduced by the lengthy case review process are putting her at particular risk.

Below is a table of the target coverage statistics and doses to organs at risk for both the IMRT and the 3-D conformal plan.

ONLY IMRT (or protons which we are not requesting) can successfully cover the target areas and will generally result in superior doses to nearby uninvolved tissues. As expected prior to planning, the 3-D plan results in overall worse (higher) dose to the lungs. This was borne out in our plans as shown below. **Most notably, the coverage of the 3-D plan is unacceptably low and the dose to ipsilateral lung of the 3-D plan does not meet constraints and is unacceptably high**. This leaves the IMRT plan as the only viable option. If **(insert payer)** prefers, she can be referred out for proton therapy.

Given that the 3-D plans do not adequately cover the target AND higher ipsilateral lung dose hat does not meet constraints, it is our expectation that this appeal will be resolved immediately limiting further delays to this patient’s care.

Sincerely,

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|  | **IMRT** | **3-D** |
| Percent of CW target covered by 100% and 95% of prescribed dose | 90% @ 50.4 Gy | 84.5% @ 50.4 Gy |
| Percent of SCLAV target covered by 100% and 95% of prescribed dose | 99.4% @ 50.4 Gy | 97.7% @ 50.4 Gy |
| Percent of AX target covered by 100% and 95% of prescribed dose | 98.2% @ 50.4 Gy | 60.6% @ 50.4 Gy |
| Percent of IMN target covered by 100% and 95% of prescribed dose | 97% @ 50.4 Gy | 80.1% @ 50.4 Gy |
| Heart mean | 4.2 Gy | 1.4 Gy |
| Heart V20 | 0.2% | 0.02% |
| Lungs mean | 9.7 Gy | 11.3 Gy |
| Lungs V20 | 15.2% | 22.2% |
| Ipsilateral Lung V20 | 28.9% | 41.6% |
| Contralateral breast max dose | 18.4 Gy | 26.7 Gy |
| Liver mean | 0.6 Gy | 1.9 Gy |