Appendix Table C17. Toxicity outcomes of studies that address Key Question 3

| Study | Intervention Group 1 | Intervention Group 2 |
| --- | --- | --- |
| Allison-2004, #108 | Not reported | NA |
| Chella-2000, #654 | YAGL + BCHY:Death due to hemoptysis: 1 (7%) (12 months after Rx) | YAGLNot reported |
| Celebioglu-2002, #604 | BCHY:Hemoptysis requiring hospitalization: 1 (1%)Pneumothorax: 0Fistula: 0Cardiovascular problems: 0  | NA |
| Celikoglu-2006, #606 | Not reported  | NA |
| Chhajed-2006, #696 | STNT + LASRStent migration: 3 (6%)Mucous plugging of the airway stent: 2 (4%)Moderate-to-severe bleeding during bronchoscopy: 1 (2%)Death within 24 h of the procedure: 1 (2%) | NA |
| Guilcher-2011, #188 | Respiratory insufficiency during HDR BCHY: 2 (1%)Grade III mucositis: 2 (1%)Grade II radiation bronchitis: 28 (12%)Pneumothorax: 3 (1%)Bronchial stenosis: 21 (9%)Necrosis of bronchial wall: 7 (3%)Hemoptysis: 15 (7%)Death due to complication: 13 (6%)Death due to hemoptysis: 10 (4%)Death due to necrosis: 2 (1%)Death due to radiation stenosis: 1 (0.4%) | NA |
| Jimenez-1999, #978 | PHDTDeath from hemoptysis and presumed progression of the disease: 1(7%)  | YAGLDeath from hemoptysis and presumed progression of the disease: 1 6%) |
| Jones-2001, #1862 | Not reported | NA |
| Langendjik-2001, #2144 | EBRT +BCHY: Death due to massive hemoptysis: 7(15%)Broncho-esophageal fistula: 1 (2%) | BCHY: Death due to massive hemoptysis: 6(13%) |
| Lencioni-2008, #2238 | 40 procedures were done in NSCLC patients and there were 5 large or symptomatic pneumothorax needing drainage as a major complication. |  |
| Moghissi-1999, #2591 | Not reported | Not reported |
| Muto-2000, Italy, #2665 | Grade 2 Radiation Bronchitis:BCHY (10 Gy): 13/78 (17%)BCHY (14Gy) + EBRT: 4/46 (9%)BCHY (15Gy, 1cm) + EBRT: 0/36 (0%)BCHY (15Gy, 0.5 cm) + EBRT: 3/120 (3%)Grade 3 Radiation Bronchitis:BCHY (10 Gy): 17/78 (22%)BCHY (14Gy) + EBRT: 3/46 (7%)BCHY (15Gy, 1cm) + EBRT: 3/36 (8%)BCHY (15Gy, 0.5 cm) + EBRT: 5/120 (4%)Grade 4 Radiation Bronchitis:BCHY (10 Gy): 12/78 (15%)BCHY (14Gy) + EBRT: 3/46 (7%)BCHY (15Gy, 1cm) + EBRT: 3/36 (8%)BCHY (15Gy, 0.5 cm) + EBRT: 5/120 (4%)Fatal hemoptysis:BCHY (10 Gy): 2/78 (3%)BCHY (14Gy) + EBRT: 3/46 (7%)BCHY (15Gy, 1cm) + EBRT: 2/36 (6%)BCHY (15Gy, 0.5 cm) + EBRT: 3/120 (3%)Broncho esophageal fistulas:BCHY (10 Gy): 1/78 (1%)BCHY (14Gy) + EBRT: 1/46 (2%)BCHY (15Gy, 1cm) + EBRT: 1/36 (3%)BCHY (15Gy, 0.5 cm) + EBRT: 0 (0%) |  |
| Mallick-2006, #2417 | No grade II-grade IV acute complications occurred | No grade II-grade IV acute complications occurred1 patient died due to fatal hemoptysis at 7 months |
| Petera-2001, #2914 | Not discernible | NA |
| Stout-2000, #3640 | BCHY: Fatal hemoptysis: 4 (8%) | EBRT: Fatal hemoptysis: 3 (6%) |
| Study | Intervention Group 1 | Intervention Group 2 |
| van Boxem-1999, #427 | YAGL: Hypotension: 1 (7%) | ECAU: Hemoptysis/respiratory failure: 1 (6%) |
| Vucicevic-1999, #4010 | AcuteEsophagitis: 3/39 (8%)Cardiac arrhythmia: 1/39 (3%)ChronicPulmonary fibrosis: 4/39 (10%)Esophageal stricture: 1/39 (3%)Fistulae: 1/39 (3%)Massive hemoptysis: 1/30 (3%) | NA |
| Weinberg-2010, #4066 | Bronchial contraction: 5/9 (56%)Occlusion from bronchial contraction: 2/9 (22%)Photosensitivity: 2/9 (22%)  | NA |