1. Sentence: Dr. Jenkins, a radiation oncologist, treated patient Sarah Williams for breast cancer, utilizing intensity-modulated radiation therapy (IMRT) with a total dose of 50 Gy in 25 fractions, and observed a marked reduction in tumor size, although the patient reported mild skin irritation.

Tokens: [Dr., Jenkins, a, radiation, oncologist, treated, patient, Sarah, Williams, for, breast, cancer, utilizing, intensity-modulated, radiation, therapy, (IMRT), with, a, total, dose, of, 50, Gy, in, 25, fractions, and, observed, a, marked, reduction, in, tumor, size, although, the, patient, reported, mild, skin, irritation]

NER\_tags: [Dr. (B-PERSON), Jenkins (I-PERSON), a (O), radiation (B-TREATMENT), oncologist (I-TREATMENT), treated (O), patient (O), Sarah (B-PERSON), Williams (I-PERSON), for (O), breast (B-ANATOMY), cancer (I-ANATOMY), utilizing (O), intensity-modulated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IMRT) (O), with (O), a (O), total (O), dose (O), of (O), 50 (B-NUMBER), Gy (I-NUMBER), in (O), 25 (B-NUMBER), fractions (I-NUMBER), and (O), observed (O), a (O), marked (O), reduction (O), in (O), tumor (B-ANATOMY), size (O), although (O), the (O), patient (O), reported (O), mild (B-SYMPTOM), skin (I-SYMPTOM), irritation (I-SYMPTOM)]

2.Sentence: In a study led by Dr. Jackson, 60 patients with glioblastoma were treated using hypofractionated radiation therapy, administering 40 Gy in 15 fractions, and the results indicated a significant improvement in overall survival rates with minimal cognitive side effects.

Tokens: [In, a, study, led, by, Dr., Jackson, 60, patients, with, glioblastoma, were, treated, using, hypofractionated, radiation, therapy, administering, 40, Gy, in, 15, fractions, and, the, results, indicated, a, significant, improvement, in, overall, survival, rates, with, minimal, cognitive, side, effects]

NER\_tags: [In (O), a (O), study (O), led (O), by (O), Dr. (B-PERSON), Jackson (I-PERSON), 60 (B-NUMBER), patients (O), with (O), glioblastoma (B-SYMPTOM), were (O), treated (O), using (O), hypofractionated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), administering (O), 40 (B-NUMBER), Gy (I-NUMBER), in (O), 15 (B-NUMBER), fractions (I-NUMBER), and (O), the (O), results (O), indicated (O), a (O), significant (O), improvement (O), in (O), overall (O), survival (O), rates (O), with (O), minimal (B-SYMPTOM), cognitive (I-SYMPTOM), side (O), effects (O)]

3. Sentence: Dr. Wallace, a radiation oncologist, observed that 80% of patients with early-stage breast cancer who underwent hypofractionated radiation therapy, receiving a total dose of 42.5 Gy in 16 fractions, experienced fewer skin irritation symptoms and better cosmetic outcomes compared to those receiving conventional radiation therapy.

Tokens: [Dr., Wallace, a, radiation, oncologist, observed, that, 80%, of, patients, with, early-stage, breast, cancer, who, underwent, hypofractionated, radiation, therapy, receiving, a, total, dose, of, 42.5, Gy, in, 16, fractions, experienced, fewer, skin, irritation, symptoms, and, better, cosmetic, outcomes, compared, to, those, receiving, conventional, radiation, therapy]

NER\_tags: [Dr. (B-PERSON), Wallace (I-PERSON), a (O), radiation (B-TREATMENT), oncologist (I-TREATMENT), observed (O), that (O), 80% (B-NUMBER), of (O), patients (O), with (O), early-stage (O), breast (B-ANATOMY), cancer (I-ANATOMY), who (O), underwent (O), hypofractionated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), receiving (O), a (O), total (O), dose (O), of (O), 42.5 (B-NUMBER), Gy (I-NUMBER), in (O), 16 (B-NUMBER), fractions (I-NUMBER), experienced (O), fewer (O), skin (B-SYMPTOM), irritation (I-SYMPTOM), symptoms (I-SYMPTOM), and (O), better (O), cosmetic (O), outcomes (O), compared (O), to (O), those (O), receiving (O), conventional (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT)]

4. Sentence: In a study led by Dr. Thompson, 50 patients with inoperable liver cancer experienced improved quality of life and reduced pain symptoms after receiving stereotactic ablative radiotherapy at a dose of 48 Gy in 6 fractions.

Tokens: [In, a, study, led, by, Dr., Thompson, 50, patients, with, inoperable, liver, cancer, experienced, improved, quality, of, life, and, reduced, pain, symptoms, after, receiving, stereotactic, ablative, radiotherapy, at, a, dose, of, 48, Gy, in, 6, fractions]

NER\_tags: [In (O), a (O), study (O), led (O), by (O), Dr. (B-PERSON), Thompson (I-PERSON), 50 (B-NUMBER), patients (O), with (O), inoperable (O), liver (B-ANATOMY), cancer (I-ANATOMY), experienced (O), improved (O), quality (O), of (O), life (O), and (O), reduced (O), pain (B-SYMPTOM), symptoms (I-SYMPTOM), after (O), receiving (O), stereotactic (B-TREATMENT), ablative (I-TREATMENT), radiotherapy (I-TREATMENT), at (O), a (O), dose (O), of (O), 48 (B-NUMBER), Gy (I-NUMBER), in (O), 6 (B-NUMBER), fractions (I-NUMBER)]

5. Sentence: Dr. Patel reported that the 30 patients with stage IIIB non-small cell lung cancer who underwent concurrent chemoradiation therapy showed a significant decrease in dyspnea and cough symptoms compared to those receiving radiotherapy alone.

Tokens: [Dr., Patel, reported, that, the, 30, patients, with, stage, IIIB, non-small, cell, lung, cancer, who, underwent, concurrent, chemoradiation, therapy, showed, a, significant, decrease, in, dyspnea, and, cough, symptoms, compared, to, those, receiving, radiotherapy, alone]

NER\_tags: [Dr. (B-PERSON), Patel (I-PERSON), reported (O), that (O), the (O), 30 (B-NUMBER), patients (O), with (O), stage (O), IIIB (O), non-small (O), cell (O), lung (B-ANATOMY), cancer (I-ANATOMY), who (O), underwent (O), concurrent (B-TREATMENT), chemoradiation (I-TREATMENT), therapy (I-TREATMENT), showed (O), a (O), significant (O), decrease (O), in (O), dyspnea (B-SYMPTOM), and (O), cough (B-SYMPTOM), symptoms (I-SYMPTOM), compared (O), to (O), those (O), receiving (O), radiotherapy (B-TREATMENT), alone (O)]

6. Sentence: Dr. Martinez observed that among the 40 patients with head and neck cancer, those treated with intensity-modulated radiation therapy (IMRT) experienced fewer xerostomia symptoms and better preservation of salivary gland function compared to those receiving standard radiotherapy.

Tokens: [Dr., Martinez, observed, that, among, the, 40, patients, with, head, and, neck, cancer, those, treated, with, intensity-modulated, radiation, therapy, (IMRT), experienced, fewer, xerostomia, symptoms, and, better, preservation, of, salivary, gland, function, compared, to, those, receiving, standard, radiotherapy]

NER\_tags: [Dr. (B-PERSON), Martinez (I-PERSON), observed (O), that (O), among (O), the (O), 40 (B-NUMBER), patients (O), with (O), head (B-ANATOMY), and (I-ANATOMY), neck (I-ANATOMY), cancer (I-ANATOMY), those (O), treated (O), with (O), intensity-modulated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IMRT) (O), experienced (O), fewer (O), xerostomia (B-SYMPTOM), symptoms (I-SYMPTOM), and (O), better (O), preservation (O), of (O), salivary (B-ANATOMY), gland (I-ANATOMY), function (O), compared (O), to (O), those (O), receiving (O), standard (B-TREATMENT), radiotherapy (I-TREATMENT)]

7. Sentence: In a clinical trial led by Dr. Roberts, 60 patients with brain metastases received whole-brain radiation therapy, and it was discovered that the addition of memantine significantly reduced cognitive decline symptoms, such as memory loss and attention deficits.

Tokens: [In, a, clinical, trial, led, by, Dr., Roberts, 60, patients, with, brain, metastases, received, whole-brain, radiation, therapy, and, it, was, discovered, that, the, addition, of, memantine, significantly, reduced, cognitive, decline, symptoms, such, as, memory, loss, and, attention, deficits]

NER\_tags: [In (O), a (O), clinical (O), trial (O), led (O), by (O), Dr. (B-PERSON), Roberts (I-PERSON), 60 (B-NUMBER), patients (O), with (O), brain (B-ANATOMY), metastases (I-ANATOMY), received (O), whole-brain (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), and (O), it (O), was (O), discovered (O), that (O), the (O), addition (O), of (O), memantine (O), significantly (O), reduced (O), cognitive (B-SYMPTOM), decline (I-SYMPTOM), symptoms (I-SYMPTOM), such (O), as (O), memory (B-SYMPTOM), loss (I-SYMPTOM), and (O), attention (B-SYMPTOM), deficits (I-SYMPTOM)]

8. Sentence: In a multicenter trial led by Dr. Johnson, 75 patients with inoperable lung cancer underwent stereotactic body radiation therapy (SBRT), which resulted in a significant reduction of tumor size and improved pulmonary function without exacerbating radiation pneumonitis.

Tokens: [In, a, multicenter, trial, led, by, Dr., Johnson, 75, patients, with, inoperable, lung, cancer, underwent, stereotactic, body, radiation, therapy, (SBRT), which, resulted, in, a, significant, reduction, of, tumor, size, and, improved, pulmonary, function, without, exacerbating, radiation, pneumonitis]

NER\_tags: [In (O), a (O), multicenter (O), trial (O), led (O), by (O), Dr. (B-PERSON), Johnson (I-PERSON), 75 (B-NUMBER), patients (O), with (O), inoperable (O), lung (B-ANATOMY), cancer (I-ANATOMY), underwent (O), stereotactic (B-TREATMENT), body (I-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (SBRT) (O), which (O), resulted (O), in (O), a (O), significant (O), reduction (O), of (O), tumor (O), size (O), and (O), improved (O), pulmonary (B-SYMPTOM), function (I-SYMPTOM), without (O), exacerbating (O), radiation (B-SYMPTOM), pneumonitis (I-SYMPTOM)]

9. Sentence: Dr. Williams conducted a study with 90 patients diagnosed with esophageal cancer, and it was found that concurrent chemoradiation therapy led to increased locoregional control and overall survival, compared to sequential chemoradiation therapy.

Tokens: [Dr., Williams, conducted, a, study, with, 90, patients, diagnosed, with, esophageal, cancer, and, it, was, found, that, concurrent, chemoradiation, therapy, led, to, increased, locoregional, control, and, overall, survival, compared, to, sequential, chemoradiation, therapy]

NER\_tags: [Dr. (B-PERSON), Williams (I-PERSON), conducted (O), a (O), study (O), with (O), 90 (B-NUMBER), patients (O), diagnosed (O), with (O), esophageal (B-ANATOMY), cancer (I-ANATOMY), and (O), it (O), was (O), found (O), that (O), concurrent (B-TREATMENT), chemoradiation (I-TREATMENT), therapy (I-TREATMENT), led (O), to (O), increased (O), locoregional (O), control (O), and (O), overall (O), survival (O), compared (O), to (O), sequential (B-TREATMENT), chemoradiation (I-TREATMENT), therapy (I-TREATMENT)]

10. Sentence: Dr. Chen's study involving 80 glioblastoma patients demonstrated that the combination of temozolomide chemotherapy and intensity-modulated radiation therapy (IMRT) significantly improved progression-free survival and reduced radiation-induced cognitive decline.

Tokens: [Dr., Chen's, study, involving, 80, glioblastoma, patients, demonstrated, that, the, combination, of, temozolomide, chemotherapy, and, intensity-modulated, radiation, therapy, (IMRT), significantly, improved, progression-free, survival, and, reduced, radiation-induced, cognitive, decline]

NER\_tags: [Dr. (B-PERSON), Chen's (I-PERSON), study (O), involving (O), 80 (B-NUMBER), glioblastoma (B-ANATOMY), patients (O), demonstrated (O), that (O), the (O), combination (O), of (O), temozolomide (B-TREATMENT), chemotherapy (I-TREATMENT), and (O), intensity-modulated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IMRT) (O), significantly (O), improved (O), progression-free (O), survival (O), and (O), reduced (O), radiation-induced (B-SYMPTOM), cognitive (I-SYMPTOM), decline (I-SYMPTOM)]

11.Sentence: Dr. Patel reported that 70 patients with head and neck cancer receiving hypofractionated radiation therapy experienced improved local control and reduced xerostomia compared to those who underwent conventional fractionation.

Tokens: [Dr., Patel, reported, that, 70, patients, with, head, and, neck, cancer, receiving, hypofractionated, radiation, therapy, experienced, improved, local, control, and, reduced, xerostomia, compared, to, those, who, underwent, conventional, fractionation]

NER\_tags: [Dr. (B-PERSON), Patel (I-PERSON), reported (O), that (O), 70 (B-NUMBER), patients (O), with (O), head (B-ANATOMY), and (I-ANATOMY), neck (I-ANATOMY), cancer (I-ANATOMY), receiving (O), hypofractionated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), experienced (O), improved (O), local (O), control (O), and (O), reduced (O), xerostomia (B-SYMPTOM), compared (O), to (O), those (O), who (O), underwent (O), conventional (O), fractionation (O)]

12. 'sentence': The patient with stage II lung cancer underwent a 5-week course of proton therapy, which resulted in minimal damage to the surrounding healthy tissue and a significant reduction in the patient's reported pain levels.

'tokens': [The, patient, with, stage, II, lung, cancer, underwent, a, 5-week, course, of, proton, therapy, which, resulted, in, minimal, damage, to, the, surrounding, healthy, tissue, and, a, significant, reduction, in, the, patient's, reported, pain, levels]

'NER tags': [The (O), patient (O), with (O), stage (O), II (B-NUMBER), lung (B-ANATOMY), cancer (I-ANATOMY), underwent (O), a (O), 5-week (B-NUMBER), course (O), of (O), proton (B-TREATMENT), therapy (I-TREATMENT), which (O), resulted (O), in (O), minimal (O), damage (O), to (O), the (O), surrounding (O), healthy (O), tissue (B-ANATOMY), and (O), a (O), significant (O), reduction (O), in (O), the (O), patient's (O), reported (O), pain (B-SYMPTOM), levels (O)]

13. 'sentence': Dr. Smith observed a 30% reduction in tumor size for the breast cancer patient after 6 cycles of intensity-modulated radiation therapy (IMRT), with minimal impact on the nearby organs such as the heart and lungs.

'tokens': [Dr., Smith, observed, a, 30%, reduction, in, tumor, size, for, the, breast, cancer, patient, after, 6, cycles, of, intensity-modulated, radiation, therapy, (IMRT), with, minimal, impact, on, the, nearby, organs, such, as, the, heart, and, lungs]

'NER tags': [Dr. (B-PERSON), Smith (I-PERSON), observed (O), a (O), 30% (B-NUMBER), reduction (O), in (O), tumor (B-ANATOMY), size (O), for (O), the (O), breast (B-ANATOMY), cancer (I-ANATOMY), patient (O), after (O), 6 (B-NUMBER), cycles (O), of (O), intensity-modulated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IMRT) (I-TREATMENT), with (O), minimal (O), impact (O), on (O), the (O), nearby (O), organs (B-ANATOMY), such (O), as (O), the (O), heart (B-ANATOMY), and (O), lungs (B-ANATOMY)]

14. 'sentence': Dr. Johnson prescribed a 60 Gy course of external beam radiation therapy (EBRT) for the patient suffering from stage III esophageal cancer, closely monitoring the impact on the nearby stomach and liver.

'tokens': [Dr., Johnson, prescribed, a, 60, Gy, course, of, external, beam, radiation, therapy, (EBRT), for, the, patient, suffering, from, stage, III, esophageal, cancer, closely, monitoring, the, impact, on, the, nearby, stomach, and, liver]

'NER tags': [Dr. (B-PERSON), Johnson (I-PERSON), prescribed (O), a (O), 60 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), external (B-TREATMENT), beam (I-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (EBRT) (I-TREATMENT), for (O), the (O), patient (O), suffering (O), from (O), stage (O), III (B-NUMBER), esophageal (B-ANATOMY), cancer (I-ANATOMY), closely (O), monitoring (O), the (O), impact (O), on (O), the (O), nearby (O), stomach (B-ANATOMY), and (O), liver (B-ANATOMY)]

15. 'sentence': The patient with a T2N1M0 rectal cancer experienced less gastrointestinal side effects after receiving volumetric-modulated arc therapy (VMAT) as compared to the conventional conformal radiation therapy.

'tokens': [The, patient, with, a, T2N1M0, rectal, cancer, experienced, less, gastrointestinal, side, effects, after, receiving, volumetric-modulated, arc, therapy, (VMAT), as, compared, to, the, conventional, conformal, radiation, therapy]

'NER tags': [The (O), patient (O), with (O), a (O), T2N1M0 (B-NUMBER), rectal (B-ANATOMY), cancer (I-ANATOMY), experienced (O), less (O), gastrointestinal (B-SYMPTOM), side (O), effects (O), after (O), receiving (O), volumetric-modulated (B-TREATMENT), arc (I-TREATMENT), therapy (I-TREATMENT), (VMAT) (I-TREATMENT), as (O), compared (O), to (O), the (O), conventional (O), conformal (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT)]

16. 'sentence': Dr. Martinez observed that the pancreatic cancer patient experienced a 25% decrease in tumor size after undergoing a 45 Gy course of image-guided radiation therapy (IGRT).

'tokens': [Dr., Martinez, observed, that, the, pancreatic, cancer, patient, experienced, a, 25%, decrease, in, tumor, size, after, undergoing, a, 45, Gy, course, of, image-guided, radiation, therapy, (IGRT)]

'NER tags': [Dr. (B-PERSON), Martinez (I-PERSON), observed (O), that (O), the (O), pancreatic (B-ANATOMY), cancer (I-ANATOMY), patient (O), experienced (O), a (O), 25% (B-NUMBER), decrease (O), in (O), tumor (B-ANATOMY), size (O), after (O), undergoing (O), a (O), 45 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), image-guided (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IGRT) (I-TREATMENT)]

17. 'sentence': The head and neck cancer patient reported less fatigue and skin irritation following 30 fractions of proton therapy compared to the traditional photon therapy.

'tokens': [The, head, and, neck, cancer, patient, reported, less, fatigue, and, skin, irritation, following, 30, fractions, of, proton, therapy, compared, to, the, traditional, photon, therapy]

'NER tags': [The (O), head (B-ANATOMY), and (O), neck (B-ANATOMY), cancer (I-ANATOMY), patient (O), reported (O), less (O), fatigue (B-SYMPTOM), and (O), skin (B-SYMPTOM), irritation (I-SYMPTOM), following (O), 30 (B-NUMBER), fractions (O), of (O), proton (B-TREATMENT), therapy (I-TREATMENT), compared (O), to (O), the (O), traditional (O), photon (B-TREATMENT), therapy (I-TREATMENT)]

18. 'sentence': Nurse Thompson assessed that the bladder cancer patient's hematuria significantly decreased after a 50 Gy course of high-dose-rate brachytherapy.

'tokens': [Nurse, Thompson, assessed, that, the, bladder, cancer, patient's, hematuria, significantly, decreased, after, a, 50, Gy, course, of, high-dose-rate, brachytherapy]

'NER tags': [Nurse (B-PERSON), Thompson (I-PERSON), assessed (O), that (O), the (O), bladder (B-ANATOMY), cancer (I-ANATOMY), patient's (O), hematuria (B-SYMPTOM), significantly (O), decreased (O), after (O), a (O), 50 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), high-dose-rate (B-TREATMENT), brachytherapy (I-TREATMENT)]

19. 'sentence': Dr. Wallace prescribed a 70 Gy course of stereotactic body radiation therapy (SBRT) for the patient diagnosed with stage I lung cancer, closely observing any potential damage to the adjacent heart and blood vessels.

'tokens': [Dr., Wallace, prescribed, a, 70, Gy, course, of, stereotactic, body, radiation, therapy, (SBRT), for, the, patient, diagnosed, with, stage, I, lung, cancer, closely, observing, any, potential, damage, to, the, adjacent, heart, and, blood, vessels]

'NER tags': [Dr. (B-PERSON), Wallace (I-PERSON), prescribed (O), a (O), 70 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), stereotactic (B-TREATMENT), body (I-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (SBRT) (I-TREATMENT), for (O), the (O), patient (O), diagnosed (O), with (O), stage (O), I (B-NUMBER), lung (B-ANATOMY), cancer (I-ANATOMY), closely (O), observing (O), any (O), potential (O), damage (O), to (O), the (O), adjacent (O), heart (B-ANATOMY), and (O), blood (B-ANATOMY), vessels (I-ANATOMY)]

20. 'sentence': Nurse Baker observed a significant decrease in the patient's bone pain after undergoing 5 fractions of palliative radiotherapy for metastatic spinal tumors.

'tokens': [Nurse, Baker, observed, a, significant, decrease, in, the, patient's, bone, pain, after, undergoing, 5, fractions, of, palliative, radiotherapy, for, metastatic, spinal, tumors]

'NER tags': [Nurse (B-PERSON), Baker (I-PERSON), observed (O), a (O), significant (O), decrease (O), in (O), the (O), patient's (O), bone (B-SYMPTOM), pain (I-SYMPTOM), after (O), undergoing (O), 5 (B-NUMBER), fractions (O), of (O), palliative (B-TREATMENT), radiotherapy (I-TREATMENT), for (O), metastatic (O), spinal (B-ANATOMY), tumors (I-ANATOMY)]

21. 'sentence': Dr. Patel recommended a 54 Gy course of hypofractionated radiation therapy for the patient with early-stage breast cancer, paying close attention to the potential side effects on the surrounding lung and heart tissue.

'tokens': [Dr., Patel, recommended, a, 54, Gy, course, of, hypofractionated, radiation, therapy, for, the, patient, with, early-stage, breast, cancer, paying, close, attention, to, the, potential, side, effects, on, the, surrounding, lung, and, heart, tissue]

'NER tags': [Dr. (B-PERSON), Patel (I-PERSON), recommended (O), a (O), 54 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), hypofractionated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), for (O), the (O), patient (O), with (O), early-stage (O), breast (B-ANATOMY), cancer (I-ANATOMY), paying (O), close (O), attention (O), to (O), the (O), potential (O), side (O), effects (O), on (O), the (O), surrounding (O), lung (B-ANATOMY), and (O), heart (B-ANATOMY), tissue (I-ANATOMY)]

22. 'sentence': Nurse Collins reported that the patient with glioblastoma experienced a decrease in headaches after completing 60 Gy of intensity-modulated radiation therapy (IMRT) over 6 weeks.

'tokens': [Nurse, Collins, reported, that, the, patient, with, glioblastoma, experienced, a, decrease, in, headaches, after, completing, 60, Gy, of, intensity-modulated, radiation, therapy, (IMRT), over, 6, weeks]

'NER tags': [Nurse (B-PERSON), Collins (I-PERSON), reported (O), that (O), the (O), patient (O), with (O), glioblastoma (B-ANATOMY), experienced (O), a (O), decrease (O), in (O), headaches (B-SYMPTOM), after (O), completing (O), 60 (B-NUMBER), Gy (I-NUMBER), of (O), intensity-modulated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IMRT) (I-TREATMENT), over (O), 6 (B-NUMBER), weeks (O)]

23. 'sentence': Dr. Smith monitored the reduction in the frequency of coughing episodes in the stage II lung cancer patient after they underwent a 60 Gy regimen of proton beam therapy over 6 weeks.

'tokens': [Dr., Smith, monitored, the, reduction, in, the, frequency, of, coughing, episodes, in, the, stage, II, lung, cancer, patient, after, they, underwent, a, 60, Gy, regimen, of, proton, beam, therapy, over, 6, weeks]

'NER tags': [Dr. (B-PERSON), Smith (I-PERSON), monitored (O), the (O), reduction (O), in (O), the (O), frequency (O), of (O), coughing (B-SYMPTOM), episodes (I-SYMPTOM), in (O), the (O), stage (O), II (B-NUMBER), lung (B-ANATOMY), cancer (I-ANATOMY), patient (O), after (O), they (O), underwent (O), a (O), 60 (B-NUMBER), Gy (I-NUMBER), regimen (O), of (O), proton (B-TREATMENT), beam (I-TREATMENT), therapy (I-TREATMENT), over (O), 6 (B-NUMBER), weeks (O)]

24. 'sentence': Nurse Johnson evaluated the alleviation of the esophageal cancer patient's difficulty swallowing after completing 28 fractions of intensity-modulated radiation therapy (IMRT) in a 50 Gy protocol.

'tokens': [Nurse, Johnson, evaluated, the, alleviation, of, the, esophageal, cancer, patient's, difficulty, swallowing, after, completing, 28, fractions, of, intensity-modulated, radiation, therapy, (IMRT), in, a, 50, Gy, protocol]

'NER tags': [Nurse (B-PERSON), Johnson (I-PERSON), evaluated (O), the (O), alleviation (O), of (O), the (O), esophageal (B-ANATOMY), cancer (I-ANATOMY), patient's (O), difficulty (B-SYMPTOM), swallowing (I-SYMPTOM), after (O), completing (O), 28 (B-NUMBER), fractions (O), of (O), intensity-modulated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IMRT) (I-TREATMENT), in (O), a (O), 50 (B-NUMBER), Gy (I-NUMBER), protocol (O)]

25. 'sentence': Nurse Thompson noted a decrease in dizziness for the patient with brain metastases after completing a 35 Gy course of gamma knife radiosurgery over 5 sessions.

'tokens': [Nurse, Thompson, noted, a, decrease, in, dizziness, for, the, patient, with, brain, metastases, after, completing, a, 35, Gy, course, of, gamma, knife, radiosurgery, over, 5, sessions]

'NER tags': [Nurse (B-PERSON), Thompson (I-PERSON), noted (O), a (O), decrease (O), in (O), dizziness (B-SYMPTOM), for (O), the (O), patient (O), with (O), brain (B-ANATOMY), metastases (I-ANATOMY), after (O), completing (O), a (O), 35 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), gamma (B-TREATMENT), knife (I-TREATMENT), radiosurgery (I-TREATMENT), over (O), 5 (B-NUMBER), sessions (O)]

26. 'sentence': Dr. Jenkins observed that the patient with pancreatic cancer experienced a reduction in gastrointestinal discomfort following a 50 Gy course of volumetric modulated arc therapy (VMAT) in 25 fractions.

'tokens': [Dr., Jenkins, observed, that, the, patient, with, pancreatic, cancer, experienced, a, reduction, in, gastrointestinal, discomfort, following, a, 50, Gy, course, of, volumetric, modulated, arc, therapy, (VMAT), in, 25, fractions]

'NER tags': [Dr. (B-PERSON), Jenkins (I-PERSON), observed (O), that (O), the (O), patient (O), with (O), pancreatic (B-ANATOMY), cancer (I-ANATOMY), experienced (O), a (O), reduction (O), in (O), gastrointestinal (B-SYMPTOM), discomfort (I-SYMPTOM), following (O), a (O), 50 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), volumetric (B-TREATMENT), modulated (I-TREATMENT), arc (I-TREATMENT), therapy (I-TREATMENT), (VMAT) (I-TREATMENT), in (O), 25 (B-NUMBER), fractions (O)]

27. 'sentence': Dr. Kim documented that the patient with advanced throat cancer experienced a decrease in difficulty breathing after undergoing 70 Gy of proton therapy over 35 treatment sessions.

'tokens': [Dr., Kim, documented, that, the, patient, with, advanced, throat, cancer, experienced, a, decrease, in, difficulty, breathing, after, undergoing, 70, Gy, of, proton, therapy, over, 35, treatment, sessions]

'NER tags': [Dr. (B-PERSON), Kim (I-PERSON), documented (O), that (O), the (O), patient (O), with (O), advanced (O), throat (B-ANATOMY), cancer (I-ANATOMY), experienced (O), a (O), decrease (O), in (O), difficulty (B-SYMPTOM), breathing (I-SYMPTOM), after (O), undergoing (O), 70 (B-NUMBER), Gy (I-NUMBER), of (O), proton (B-TREATMENT), therapy (I-TREATMENT), over (O), 35 (B-NUMBER), treatment (O), sessions (O)]

28. 'sentence': Nurse Mitchell observed that the patient with skin cancer reported a reduction in itchiness after receiving 48 Gy of electron beam therapy in 12 fractions.

'tokens': [Nurse, Mitchell, observed, that, the, patient, with, skin, cancer, reported, a, reduction, in, itchiness, after, receiving, 48, Gy, of, electron, beam, therapy, in, 12, fractions]

'NER tags': [Nurse (B-PERSON), Mitchell (I-PERSON), observed (O), that (O), the (O), patient (O), with (O), skin (B-ANATOMY), cancer (I-ANATOMY), reported (O), a (O), reduction (O), in (O), itchiness (B-SYMPTOM), after (O), receiving (O), 48 (B-NUMBER), Gy (I-NUMBER), of (O), electron (B-TREATMENT), beam (I-TREATMENT), therapy (I-TREATMENT), in (O), 12 (B-NUMBER), fractions (O)]

29. 'sentence': Dr. Patel observed that the patient with prostate cancer experienced a decline in urinary incontinence after completing a 78 Gy course of brachytherapy in 39 sessions.

'tokens': [Dr., Patel, observed, that, the, patient, with, prostate, cancer, experienced, a, decline, in, urinary, incontinence, after, completing, a, 78, Gy, course, of, brachytherapy, in, 39, sessions]

'NER tags': [Dr. (B-PERSON), Patel (I-PERSON), observed (O), that (O), the (O), patient (O), with (O), prostate (B-ANATOMY), cancer (I-ANATOMY), experienced (O), a (O), decline (O), in (O), urinary (B-SYMPTOM), incontinence (I-SYMPTOM), after (O), completing (O), a (O), 78 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), brachytherapy (B-TREATMENT), in (O), 39 (B-NUMBER), sessions (O)]

30. 'sentence': Nurse Baker reported a decrease in fatigue for the breast cancer patient after receiving a 50 Gy dose of tomotherapy over 25 treatment fractions.

'tokens': [Nurse, Baker, reported, a, decrease, in, fatigue, for, the, breast, cancer, patient, after, receiving, a, 50, Gy, dose, of, tomotherapy, over, 25, treatment, fractions]

'NER tags': [Nurse (B-PERSON), Baker (I-PERSON), reported (O), a (O), decrease (O), in (O), fatigue (B-SYMPTOM), for (O), the (O), breast (B-ANATOMY), cancer (I-ANATOMY), patient (O), after (O), receiving (O), a (O), 50 (B-NUMBER), Gy (I-NUMBER), dose (O), of (O), tomotherapy (B-TREATMENT), over (O), 25 (B-NUMBER), treatment (O), fractions (O)]

31. 'sentence': Dr. Thompson noted that the patient suffering from esophageal cancer experienced a reduction in swallowing difficulties after a 60 Gy course of intensity-modulated radiation therapy (IMRT) over 30 sessions.

'tokens': [Dr., Thompson, noted, that, the, patient, suffering, from, esophageal, cancer, experienced, a, reduction, in, swallowing, difficulties, after, a, 60, Gy, course, of, intensity-modulated, radiation, therapy, (IMRT), over, 30, sessions]

'NER tags': [Dr. (B-PERSON), Thompson (I-PERSON), noted (O), that (O), the (O), patient (O), suffering (O), from (O), esophageal (B-ANATOMY), cancer (I-ANATOMY), experienced (O), a (O), reduction (O), in (O), swallowing (B-SYMPTOM), difficulties (I-SYMPTOM), after (O), a (O), 60 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), intensity-modulated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IMRT) (I-TREATMENT), over (O), 30 (B-NUMBER), sessions (O)]

32. 'sentence': Nurse Adams reported that the patient with glioblastoma multiforme noticed a decrease in headaches after receiving 54 Gy of proton beam therapy in 27 treatment sessions.

'tokens': [Nurse, Adams, reported, that, the, patient, with, glioblastoma, multiforme, noticed, a, decrease, in, headaches, after, receiving, 54, Gy, of, proton, beam, therapy, in, 27, treatment, sessions]

'NER tags': [Nurse (B-PERSON), Adams (I-PERSON), reported (O), that (O), the (O), patient (O), with (O), glioblastoma (B-ANATOMY), multiforme (I-ANATOMY), noticed (O), a (O), decrease (O), in (O), headaches (B-SYMPTOM), after (O), receiving (O), 54 (B-NUMBER), Gy (I-NUMBER), of (O), proton (B-TREATMENT), beam (I-TREATMENT), therapy (I-TREATMENT), in (O), 27 (B-NUMBER), treatment (O), sessions (O)]

33. 'sentence': Dr. Johnson found that the patient with rectal cancer experienced a lessening of rectal bleeding after completing a 55 Gy course of image-guided radiation therapy (IGRT) over 25 fractions.

'tokens': [Dr., Johnson, found, that, the, patient, with, rectal, cancer, experienced, a, lessening, of, rectal, bleeding, after, completing, a, 55, Gy, course, of, image-guided, radiation, therapy, (IGRT), over, 25, fractions]

'NER tags': [Dr. (B-PERSON), Johnson (I-PERSON), found (O), that (O), the (O), patient (O), with (O), rectal (B-ANATOMY), cancer (I-ANATOMY), experienced (O), a (O), lessening (O), of (O), rectal (B-SYMPTOM), bleeding (I-SYMPTOM), after (O), completing (O), a (O), 55 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), image-guided (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IGRT) (I-TREATMENT), over (O), 25 (B-NUMBER), fractions (O)]

34. 'sentence': Nurse Smith observed that the patient diagnosed with oropharyngeal cancer reported an improvement in sore throat after undergoing a 70 Gy regimen of volumetric modulated arc therapy (VMAT) in 35 sessions.

'tokens': [Nurse, Smith, observed, that, the, patient, diagnosed, with, oropharyngeal, cancer, reported, an, improvement, in, sore, throat, after, undergoing, a, 70, Gy, regimen, of, volumetric, modulated, arc, therapy, (VMAT), in, 35, sessions]

'NER tags': [Nurse (B-PERSON), Smith (I-PERSON), observed (O), that (O), the (O), patient (O), diagnosed (O), with (O), oropharyngeal (B-ANATOMY), cancer (I-ANATOMY), reported (O), an (O), improvement (O), in (O), sore (B-SYMPTOM), throat (I-SYMPTOM), after (O), undergoing (O), a (O), 70 (B-NUMBER), Gy (I-NUMBER), regimen (O), of (O), volumetric (B-TREATMENT), modulated (I-TREATMENT), arc (I-TREATMENT), therapy (I-TREATMENT), (VMAT) (I-TREATMENT), in (O), 35 (B-NUMBER), sessions (O)]

35. 'sentence': Dr. Patel reported that the patient with non-small cell lung cancer experienced a decrease in shortness of breath after completing a 66 Gy course of tomotherapy over 33 sessions.

'tokens': [Dr., Patel, reported, that, the, patient, with, non-small, cell, lung, cancer, experienced, a, decrease, in, shortness, of, breath, after, completing, a, 66, Gy, course, of, tomotherapy, over, 33, sessions]

'NER tags': [Dr. (B-PERSON), Patel (I-PERSON), reported (O), that (O), the (O), patient (O), with (O), non-small (B-ANATOMY), cell (I-ANATOMY), lung (I-ANATOMY), cancer (I-ANATOMY), experienced (O), a (O), decrease (O), in (O), shortness (B-SYMPTOM), of (I-SYMPTOM), breath (I-SYMPTOM), after (O), completing (O), a (O), 66 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), tomotherapy (B-TREATMENT), over (O), 33 (B-NUMBER), sessions (O)]

36. 'sentence': Nurse Miller observed that the patient diagnosed with nasopharyngeal carcinoma reported a reduction in nasal congestion after undergoing a 72 Gy regimen of CyberKnife radiosurgery in 24 sessions.

'tokens': [Nurse, Miller, observed, that, the, patient, diagnosed, with, nasopharyngeal, carcinoma, reported, a, reduction, in, nasal, congestion, after, undergoing, a, 72, Gy, regimen, of, CyberKnife, radiosurgery, in, 24, sessions]

'NER tags': [Nurse (B-PERSON), Miller (I-PERSON), observed (O), that (O), the (O), patient (O), diagnosed (O), with (O), nasopharyngeal (B-ANATOMY), carcinoma (I-ANATOMY), reported (O), a (O), reduction (O), in (O), nasal (B-SYMPTOM), congestion (I-SYMPTOM), after (O), undergoing (O), a (O), 72 (B-NUMBER), Gy (I-NUMBER), regimen (O), of (O), CyberKnife (B-TREATMENT), radiosurgery (I-TREATMENT), in (O), 24 (B-NUMBER), sessions (O)]

37. 'sentence': Dr. Thompson observed that the glioblastoma patient experienced a significant improvement in headaches after completing a 60 Gy course of proton beam therapy over 30 fractions.

'tokens': [Dr., Thompson, observed, that, the, glioblastoma, patient, experienced, a, significant, improvement, in, headaches, after, completing, a, 60, Gy, course, of, proton, beam, therapy, over, 30, fractions]

'NER tags': [Dr. (B-PERSON), Thompson (I-PERSON), observed (O), that (O), the (O), glioblastoma (B-ANATOMY), patient (O), experienced (O), a (O), significant (O), improvement (O), in (O), headaches (B-SYMPTOM), after (O), completing (O), a (O), 60 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), proton (B-TREATMENT), beam (I-TREATMENT), therapy (I-TREATMENT), over (O), 30 (B-NUMBER), fractions (O)]

38. 'sentence': Nurse Roberts noted that the patient suffering from pancreatic cancer reported decreased abdominal pain after undergoing a 50 Gy regimen of stereotactic body radiation therapy (SBRT) in 25 sessions.

'tokens': [Nurse, Roberts, noted, that, the, patient, suffering, from, pancreatic, cancer, reported, decreased, abdominal, pain, after, undergoing, a, 50, Gy, regimen, of, stereotactic, body, radiation, therapy, (SBRT), in, 25, sessions]

'NER tags': [Nurse (B-PERSON), Roberts (I-PERSON), noted (O), that (O), the (O), patient (O), suffering (O), from (O), pancreatic (B-ANATOMY), cancer (I-ANATOMY), reported (O), decreased (O), abdominal (B-SYMPTOM), pain (I-SYMPTOM), after (O), undergoing (O), a (O), 50 (B-NUMBER), Gy (I-NUMBER), regimen (O), of (O), stereotactic (B-TREATMENT), body (I-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (SBRT) (I-TREATMENT), in (O), 25 (B-NUMBER), sessions (O)]

39. 'sentence': Dr. Henderson found that the patient with oropharyngeal cancer experienced a decrease in difficulty speaking after receiving a 54 Gy dose of volumetric modulated arc therapy (VMAT) over 27 sessions.

'tokens': [Dr., Henderson, found, that, the, patient, with, oropharyngeal, cancer, experienced, a, decrease, in, difficulty, speaking, after, receiving, a, 54, Gy, dose, of, volumetric, modulated, arc, therapy, (VMAT), over, 27, sessions]

'NER tags': [Dr. (B-PERSON), Henderson (I-PERSON), found (O), that (O), the (O), patient (O), with (O), oropharyngeal (B-ANATOMY), cancer (I-ANATOMY), experienced (O), a (O), decrease (O), in (O), difficulty (B-SYMPTOM), speaking (I-SYMPTOM), after (O), receiving (O), a (O), 54 (B-NUMBER), Gy (I-NUMBER), dose (O), of (O), volumetric (B-TREATMENT), modulated (I-TREATMENT), arc (I-TREATMENT), therapy (I-TREATMENT), (VMAT) (I-TREATMENT), over (O), 27 (B-NUMBER), sessions (O)]

40. 'sentence': Nurse Collins observed that the patient with cervical cancer had a notable reduction in pelvic pain after completing a 50 Gy course of high-dose-rate brachytherapy in 10 sessions.

'tokens': [Nurse, Collins, observed, that, the, patient, with, cervical, cancer, had, a, notable, reduction, in, pelvic, pain, after, completing, a, 50, Gy, course, of, high-dose-rate, brachytherapy, in, 10, sessions]

'NER tags': [Nurse (B-PERSON), Collins (I-PERSON), observed (O), that (O), the (O), patient (O), with (O), cervical (B-ANATOMY), cancer (I-ANATOMY), had (O), a (O), notable (O), reduction (O), in (O), pelvic (B-SYMPTOM), pain (I-SYMPTOM), after (O), completing (O), a (O), 50 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), high-dose-rate (B-TREATMENT), brachytherapy (I-TREATMENT), in (O), 10 (B-NUMBER), sessions (O)]

41. 'sentence': During a follow-up appointment, Dr. Thompson discovered that the patient with nasopharyngeal cancer experienced a significant decrease in tinnitus after undergoing a 60 Gy dose of intensity-modulated radiation therapy (IMRT) split into 30 sessions.

'tokens': [During, a, follow-up, appointment, Dr., Thompson, discovered, that, the, patient, with, nasopharyngeal, cancer, experienced, a, significant, decrease, in, tinnitus, after, undergoing, a, 60, Gy, dose, of, intensity-modulated, radiation, therapy, (IMRT), split, into, 30, sessions]

'NER tags': [During (O), a (O), follow-up (O), appointment (O), Dr. (B-PERSON), Thompson (I-PERSON), discovered (O), that (O), the (O), patient (O), with (O), nasopharyngeal (B-ANATOMY), cancer (I-ANATOMY), experienced (O), a (O), significant (O), decrease (O), in (O), tinnitus (B-SYMPTOM), after (O), undergoing (O), a (O), 60 (B-NUMBER), Gy (I-NUMBER), dose (O), of (O), intensity-modulated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IMRT) (I-TREATMENT), split (O), into (O), 30 (B-NUMBER), sessions (O)]

42. 'sentence': Prof. Rodriguez observed that the patient suffering from breast cancer reported reduced fatigue and discomfort after the completion of a 50 Gy course of proton beam therapy, which was administered in 25 sessions.

'tokens': [Prof., Rodriguez, observed, that, the, patient, suffering, from, breast, cancer, reported, reduced, fatigue, and, discomfort, after, the, completion, of, a, 50, Gy, course, of, proton, beam, therapy, which, was, administered, in, 25, sessions]

'NER tags': [Prof. (B-PERSON), Rodriguez (I-PERSON), observed (O), that (O), the (O), patient (O), suffering (O), from (O), breast (B-ANATOMY), cancer (I-ANATOMY), reported (O), reduced (O), fatigue (B-SYMPTOM), and (O), discomfort (B-SYMPTOM), after (O), the (O), completion (O), of (O), a (O), 50 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), proton (B-TREATMENT), beam (I-TREATMENT), therapy (I-TREATMENT), which (O), was (O), administered (O), in (O), 25 (B-NUMBER), sessions (O)]

43. 'sentence': Dr. Johnson observed a considerable reduction in dysphagia symptoms for the esophageal cancer patient after the completion of a 50 Gy dose of volumetric modulated arc therapy (VMAT), which was administered across 25 sessions.

'tokens': [Dr., Johnson, observed, a, considerable, reduction, in, dysphagia, symptoms, for, the, esophageal, cancer, patient, after, the, completion, of, a, 50, Gy, dose, of, volumetric, modulated, arc, therapy, (VMAT), which, was, administered, across, 25, sessions]

'NER tags': [Dr. (B-PERSON), Johnson (I-PERSON), observed (O), a (O), considerable (O), reduction (O), in (O), dysphagia (B-SYMPTOM), symptoms (O), for (O), the (O), esophageal (B-ANATOMY), cancer (I-ANATOMY), patient (O), after (O), the (O), completion (O), of (O), a (O), 50 (B-NUMBER), Gy (I-NUMBER), dose (O), of (O), volumetric (B-TREATMENT), modulated (I-TREATMENT), arc (I-TREATMENT), therapy (I-TREATMENT), (VMAT) (I-TREATMENT), which (O), was (O), administered (O), across (O), 25 (B-NUMBER), sessions (O)]

44. 'sentence': Nurse Smith informed the patient with prostate cancer that they experienced a marked decrease in urinary incontinence after undergoing 70 Gy of high-dose-rate brachytherapy in 28 separate sessions.

'tokens': [Nurse, Smith, informed, the, patient, with, prostate, cancer, that, they, experienced, a, marked, decrease, in, urinary, incontinence, after, undergoing, 70, Gy, of, high-dose-rate, brachytherapy, in, 28, separate, sessions]

'NER tags': [Nurse (B-PERSON), Smith (I-PERSON), informed (O), the (O), patient (O), with (O), prostate (B-ANATOMY), cancer (I-ANATOMY), that (O), they (O), experienced (O), a (O), marked (O), decrease (O), in (O), urinary (B-SYMPTOM), incontinence (I-SYMPTOM), after (O), undergoing (O), 70 (B-NUMBER), Gy (I-NUMBER), of (O), high-dose-rate (B-TREATMENT), brachytherapy (I-TREATMENT), in (O), 28 (B-NUMBER), separate (O), sessions (O)]

45. 'sentence': Oncologist Dr. Martinez reported that a 72-year-old breast cancer patient noticed a significant alleviation of fatigue after completing 60 Gy of intensity-modulated radiation therapy (IMRT) in 30 treatment sessions targeting the tumor site.

'tokens': [Oncologist, Dr., Martinez, reported, that, a, 72-year-old, breast, cancer, patient, noticed, a, significant, alleviation, of, fatigue, after, completing, 60, Gy, of, intensity-modulated, radiation, therapy, (IMRT), in, 30, treatment, sessions, targeting, the, tumor, site]

'NER tags': [Oncologist (B-PERSON), Dr. (I-PERSON), Martinez (I-PERSON), reported (O), that (O), a (O), 72-year-old (B-NUMBER), breast (B-ANATOMY), cancer (I-ANATOMY), patient (O), noticed (O), a (O), significant (O), alleviation (O), of (O), fatigue (B-SYMPTOM), after (O), completing (O), 60 (B-NUMBER), Gy (I-NUMBER), of (O), intensity-modulated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IMRT) (I-TREATMENT), in (O), 30 (B-NUMBER), treatment (O), sessions (O), targeting (O), the (O), tumor (O), site (O)]

46. 'sentence': Dr. Thompson, a radiation oncologist, observed that the 65-year-old lung cancer patient's persistent cough had significantly improved after undergoing a 50 Gy course of stereotactic body radiation therapy (SBRT) in 10 sessions.

'tokens': [Dr., Thompson, a, radiation, oncologist, observed, that, the, 65-year-old, lung, cancer, patient's, persistent, cough, had, significantly, improved, after, undergoing, a, 50, Gy, course, of, stereotactic, body, radiation, therapy, (SBRT), in, 10, sessions]

'NER tags': [Dr. (B-PERSON), Thompson (I-PERSON), a (O), radiation (O), oncologist (O), observed (O), that (O), the (O), 65-year-old (B-NUMBER), lung (B-ANATOMY), cancer (I-ANATOMY), patient's (O), persistent (B-SYMPTOM), cough (I-SYMPTOM), had (O), significantly (O), improved (O), after (O), undergoing (O), a (O), 50 (B-NUMBER), Gy (I-NUMBER), course (O), of (O), stereotactic (B-TREATMENT), body (I-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (SBRT) (I-TREATMENT), in (O), 10 (B-NUMBER), sessions (O)]

47. 'sentence': Dr. Smith, a radiation oncologist, noted that the 60-year-old prostate cancer patient experienced a reduction in urinary incontinence after receiving a total dose of 78 Gy through external beam radiation therapy (EBRT) in 39 sessions, targeting the prostate gland and surrounding tissues.

'tokens': [Dr., Smith, a, radiation, oncologist, noted, that, the, 60-year-old, prostate, cancer, patient, experienced, a, reduction, in, urinary, incontinence, after, receiving, a, total, dose, of, 78, Gy, through, external, beam, radiation, therapy, (EBRT), in, 39, sessions, targeting, the, prostate, gland, and, surrounding, tissues]

'NER tags': [Dr. (B-PERSON), Smith (I-PERSON), a (O), radiation (O), oncologist (O), noted (O), that (O), the (O), 60-year-old (B-NUMBER), prostate (B-ANATOMY), cancer (I-ANATOMY), patient (O), experienced (O), a (O), reduction (O), in (O), urinary (B-SYMPTOM), incontinence (I-SYMPTOM), after (O), receiving (O), a (O), total (O), dose (O), of (O), 78 (B-NUMBER), Gy (I-NUMBER), through (O), external (B-TREATMENT), beam (I-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (EBRT) (I-TREATMENT), in (O), 39 (B-NUMBER), sessions (O), targeting (O), the (O), prostate (O), gland (O), and (O), surrounding (O), tissues (O)]

48. 'sentence': Dr. Johnson, a radiation oncologist, observed that the 55-year-old breast cancer patient experienced relief from persistent pain after 25 sessions of intensity-modulated radiation therapy (IMRT), which delivered a cumulative dose of 50 Gy to the affected breast tissue and lymph nodes.

'tokens': [Dr., Johnson, a, radiation, oncologist, observed, that, the, 55-year-old, breast, cancer, patient, experienced, relief, from, persistent, pain, after, 25, sessions, of, intensity-modulated, radiation, therapy, (IMRT), which, delivered, a, cumulative, dose, of, 50, Gy, to, the, affected, breast, tissue, and, lymph, nodes]

'NER tags': [Dr. (B-PERSON), Johnson (I-PERSON), a (O), radiation (O), oncologist (O), observed (O), that (O), the (O), 55-year-old (B-NUMBER), breast (B-ANATOMY), cancer (I-ANATOMY), patient (O), experienced (O), relief (O), from (O), persistent (B-SYMPTOM), pain (I-SYMPTOM), after (O), 25 (B-NUMBER), sessions (O), of (O), intensity-modulated (B-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (IMRT) (I-TREATMENT), which (O), delivered (O), a (O), cumulative (O), dose (O), of (O), 50 (B-NUMBER), Gy (I-NUMBER), to (O), the (O), affected (O), breast (O), tissue (O), and (O), lymph (O), nodes (O)]

49. 'sentence': Prof. Adams, a medical physicist, reported that the 45-year-old glioblastoma patient experienced a reduction in severe headaches after receiving 30 sessions of proton therapy, focusing on the brain tumor and administering a total dose of 60 Gy.

'tokens': [Prof., Adams, a, medical, physicist, reported, that, the, 45-year-old, glioblastoma, patient, experienced, a, reduction, in, severe, headaches, after, receiving, 30, sessions, of, proton, therapy, focusing, on, the, brain, tumor, and, administering, a, total, dose, of, 60, Gy]

'NER tags': [Prof. (B-PERSON), Adams (I-PERSON), a (O), medical (O), physicist (O), reported (O), that (O), the (O), 45-year-old (B-NUMBER), glioblastoma (B-ANATOMY), patient (O), experienced (O), a (O), reduction (O), in (O), severe (B-SYMPTOM), headaches (I-SYMPTOM), after (O), receiving (O), 30 (B-NUMBER), sessions (O), of (O), proton (B-TREATMENT), therapy (I-TREATMENT), focusing (O), on (O), the (O), brain (B-ANATOMY), tumor (I-ANATOMY), and (O), administering (O), a (O), total (O), dose (O), of (O), 60 (B-NUMBER), Gy (I-NUMBER)]

50. 'sentence': Dr. Smith, an experienced radiation oncologist, noted that the 68-year-old male patient, who had been suffering from advanced-stage prostate cancer and its associated symptoms, including frequent urination and pelvic pain, experienced significant improvement after a meticulously planned course of 35 sessions of stereotactic body radiation therapy (SBRT), targeting the prostate and surrounding lymph nodes with a cumulative dose of 70 Gy.

'tokens': [Dr., Smith, an, experienced, radiation, oncologist, noted, that, the, 68-year-old, male, patient, who, had, been, suffering, from, advanced-stage, prostate, cancer, and, its, associated, symptoms, including, frequent, urination, and, pelvic, pain, experienced, significant, improvement, after, a, meticulously, planned, course, of, 35, sessions, of, stereotactic, body, radiation, therapy, (SBRT), targeting, the, prostate, and, surrounding, lymph, nodes, with, a, cumulative, dose, of, 70, Gy]

'NER tags': [Dr. (B-PERSON), Smith (I-PERSON), an (O), experienced (O), radiation (O), oncologist (O), noted (O), that (O), the (O), 68-year-old (B-NUMBER), male (O), patient (O), who (O), had (O), been (O), suffering (O), from (O), advanced-stage (O), prostate (B-ANATOMY), cancer (I-ANATOMY), and (O), its (O), associated (O), symptoms (O), including (O), frequent (B-SYMPTOM), urination (I-SYMPTOM), and (O), pelvic (B-SYMPTOM), pain (I-SYMPTOM), experienced (O), significant (O), improvement (O), after (O), a (O), meticulously (O), planned (O), course (O), of (O), 35 (B-NUMBER), sessions (O), of (O), stereotactic (B-TREATMENT), body (I-TREATMENT), radiation (I-TREATMENT), therapy (I-TREATMENT), (SBRT) (I-TREATMENT), targeting (O), the (O), prostate (O), and (O), surrounding (O), lymph (O), nodes (O), with (O), a (O), cumulative (O), dose (O), of (O), 70 (B-NUMBER), Gy (I-NUMBER)]