CLAIMS

1. A system, comprising:

a radiation source; and

a controller, configured to:

designate multiple target regions on an eye of a patient for irradiation with respective amounts of energy,

cause the radiation source to irradiate at least a first one of the target regions,

subsequently to causing the radiation source to irradiate at least the first one of the target regions, by processing an image of the eye, identify a change in the eye, and

in response to identifying the change, refrain from causing the radiation source to irradiate a second one of the target regions, which has not yet been irradiated, with the amount of energy designated for the second one of the target regions.

2. The system according to claim 1, wherein the controller is configured to refrain from causing the radiation source to irradiate the second one of the target regions by:

designating a new target region, and

causing the radiation source to irradiate the new target region instead of the second one of the target regions.

3. The system according to claim 1, wherein the controller is configured to refrain from causing the radiation source to irradiate the second one of the target regions with the amount of energy designated for the second one of the target regions by causing the radiation source to irradiate the second one of the target regions with another amount of energy that is less than the designated amount.

4. The system according to claim 1, wherein the change includes bleeding.

5. The system according to claim 1, wherein the change includes swelling.

6. The system according to claim 1, wherein the change includes a change in color.

7. The system according to claim 1, wherein the change includes a formation of one or more bubbles.

8. The system according to claim 1, wherein the controller is configured to refrain from causing the radiation source to irradiate the second one of the target regions in response to a distance between the second one of the target regions and another region of the eye.

9. The system according to any one of claims 1-8,

wherein the controller is further configured to identify an anatomical feature at the second one of the target regions, and

wherein the controller is configured to refrain from causing the radiation source to irradiate the second one of the target regions in response to identifying the anatomical feature.

10. The system according to claim 9,

wherein the controller is further configured to calculate a predicted measure of overlap between a radiation beam irradiating the second one of the target regions and the anatomical feature, and

wherein the controller is configured to refrain from causing the radiation source to irradiate the second one of the target regions in response to the predicted measure of overlap.

11. The system according to claim 9,

wherein the anatomical feature is a second-target-region anatomical feature,

wherein the controller is further configured to identify a first-target-region anatomical feature at the first one of the target regions, and

wherein the controller is configured to refrain from causing the radiation source to irradiate the second one of the target regions in response to identifying the first-target-region anatomical feature.

12. The system according to claim 11, wherein the controller is configured to refrain from causing the radiation source to irradiate the second one of the target regions in response to the first-target-region anatomical feature and the second-target-region anatomical feature being of the same type.

13. The system according to claim 11,

wherein the controller is further configured to:

calculate an estimated measure of overlap between (a) a first radiation beam that irradiated the first one of the target regions and (b) the first-target-region anatomical feature, and

calculate a predicted measure of overlap between (a) a second radiation beam irradiating the second one of the target regions and (b) the first-target-region anatomical feature, and

wherein the controller is configured to refrain from causing the radiation source to irradiate the second one of the target regions in response to the predicted measure of overlap and the estimated measure of overlap.

14. The system according to claim 13,

wherein the controller is further configured to:

calculate an estimated amount of energy delivered by a first radiation beam to the first-target-region anatomical feature, and

calculate a predicted amount of energy delivered by a second radiation beam to the second-target-region anatomical feature, and

wherein the controller is configured to refrain from causing the radiation source to irradiate the second one of the target regions in response to the predicted amount of energy and the estimated amount of energy.

15. The system according to any one of claims 1-8,

wherein the controller is further configured to calculate a risk measure associated with irradiating the second one of the target regions, and

wherein the controller is configured to refrain from causing the radiation source to irradiate the second one of the target regions in response to the risk measure.

16. The system according to claim 15, wherein the controller is configured to calculate the risk measure based on a medical profile of the patient.

17. The system according to claim 15,

wherein the controller is further configured to identify an anatomical feature at the second one of the target regions, and

wherein the controller is configured to calculate the risk measure based on a type of the second anatomical feature.