Don’t routinely order breast MRI in new breast cancer patients.

After a new diagnosis of breast cancer, breast MRI can be useful in selected patients to aid treatment decisions. However, there is a lack of evidence that routine use of MRI lessens cancer recurrence, death from cancer or the need for re-operation after lumpectomy surgery. The routine use of MRI is associated with an increased need for subsequent breast biopsy procedures, delays in time to treatment and higher cost of care. Increased mastectomy rates can occur if the MRI finds additional cancers or indeterminate findings cause patient anxiety, leading to patient requests for mastectomy.

Don’t routinely excise all the lymph nodes beneath the arm in patients having lumpectomy for breast cancer.

After a new diagnosis of invasive breast cancer, most patients undergoing partial breast removal (lumpectomy) benefit from a sentinel node (SN) biopsy, a procedure that removes a small number of lymph nodes beneath the arm. In the past, patients found to have cancer in any SN underwent extra surgery to remove more nodes. Recent evidence suggests further node surgery is not necessary in patients with cancer found in fewer than three SN if the patient receives other recommended cancer treatments.

Don’t routinely order specialized tumor gene testing in all new breast cancer patients.

There are multiple new tumor multi-gene signature tests that provide selected patients with information about their risk of distant cancer recurrence, dying of cancer or the likelihood they will benefit from chemotherapy. These tests are helpful in selected patients, including those with early stage hormone receptor positive cancers with low scores on 21 gene recurrence testing, who can safely omit chemotherapy. There is no evidence these tests should be used routinely in every patient. These tests should not be done in patients who indicate the test results would not change their choice of treatment.

Don’t routinely re-operate on patients with invasive cancer if the cancer is close to the edge of the excised lumpectomy tissue.

Patients undergoing partial breast removal (lumpectomy) of the breast for invasive cancer benefit from re-operation to excise more breast tissue if microscopic review of the lumpectomy breast tissue indicates cancer cells at the tissue edge. However, if cancer cells are close to the edge, but not at the actual edge, then re-operation is not mandatory but can be considered on a case-by-case basis.

Don’t routinely perform a double mastectomy in patients who have a single breast with cancer.

After a new diagnosis of breast cancer in a single breast, many patients desire removal of both breasts, believing their cancer risk in the other breast is high and their cancer cure rate will be improved with double mastectomy. Double mastectomy should not be routinely performed in these patients until they have been provided with adequate understandable information about the generally low risk they will develop cancer in the other breast and the minimal effectiveness, if any, of double mastectomy improving their life expectancy.

These items are provided solely for informational purposes and are not intended as a substitute for consultation with a medical professional. Patients with any specific questions about the items on this list or their individual situation should consult their physician.
How This List Was Created

The American Society of Breast Surgeons (ASBrS) Patient Safety and Quality Committee (PSQC) received approval from the ASBrS Board of Directors to create and rank a list of appropriateness domains of breast care to be submitted to the ABIM Foundation Choosing Wisely campaign. The PSQC discussed the goals of Choosing Wisely and solicited candidate measures from its members at their 2014 and 2015 Annual Meetings. The PSQC members were asked to identify measures that addressed the goals of Choosing Wisely. Committee members were provided with a full description of the Choosing Wisely campaign and its goals, as well as its emphasis on decreasing unnecessary tests and interventions. In addition, PSQC members were provided with the previous Choosing Wisely recommendation from other organizations for breast. Specific recommendations were made to consider domains of care that reflected appropriateness, waste and value as noted in recent publications, randomized trials and meta-analysis.

Committee members were instructed to rank candidate choices specifically as follows:

Rank for appropriateness and value of care; value to be defined by quality of care in the numerator and burdens of care in the denominator. Burdens would include cost of care and non-cost patient burdens of care, such as the unnecessary need for a second surgery or a procedure or a test. Rank based on the importance criteria of the National Quality Forum (NQF) for creation of quality measures. The four pillars of NQF importance were described to members. PSQC members were asked to consider the number of patients nationally that could be helped by our choices; i.e., the number of patients at risk for inappropriate care when you estimate the difference between perceived or measured actual care and achievable care.

After creation of a list of candidate choices, two rounds of modified Delphi process ranking were performed electronically in March, 2014 and July, 2015 following the iterative and analytic methodology described by Fitch K, Bernstein SJ, Aguilar MD, et al., in “The Rand/UCLA Appropriateness Method User’s Manual”. Arlington, VA: RAND, 2001. Thirty eight domain choices were included in the final round of ranking.

Each candidate choice was ranked on a scale of 1–9 where 1 meant the statement had no value or importance and was not appropriate for a patient and 9 meant it had the highest possible value, importance and appropriateness. Panelists were asked to score by their opinion, not how they thought other surgeons or experts would score it.

After each round of ranking, a spreadsheet with ranking results was provided to committee members. The spreadsheet was formatted from top to bottom by committee median score. Inter-round electronic communication followed with opportunity for participants to discuss the choices, lobbying for either increasing or decreasing a choice’s rank.

There were 16 choices deemed appropriate (median score 7–9) by the panelists as defined by the Rand/UCLA User’s Manual. The top five choices had median ranks of 8 or 9. Four of the ASBrS top five choices were already part of the Choosing Wisely Campaign of other organizations, so these were excluded from the ASBrS final list. To finish our list of five, we used the next highest ranked choices.

The final list of five choices was distributed to the entire PSQC twice by email for further vetting. As a result, minor word edits but no substantive content changes were made. Subsequently, the document was reviewed and edited by the ASBrS Research Committee, then sent to the ASBrS Board of Directors for review. The ASBrS Board of Directors approved the final five choices in April 2016.

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