ASCO Clinical Practice Guidelines and Beyond



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Venous thromboembolism and its complications, including pulmonary embolism and death, are increasingly recognized as important complications of cancer and cancer treatment.^{1,2} A summary of the most recent American Society of Clinical Oncology (ASCO) guidelines entitled "Recommendations for

Venous Thromboembolism Prophylaxis and Treatment in Patients With Cancer" is presented in this issue of the Journal of Oncology Practice (JOP).³ Continuing in the tradition of ASCO guidelines, this heavily evidence-based compendium of recommendations from an expert panel will be published in full in the Journal of Clinical Oncology (JCO).4 Guideline Summaries published routinely in JOP distill the full guideline down to the major recommendations and other essential issues.⁵ Since their initiation in 1994, the ASCO clinical practice guidelines have been well received and represent one of the major benefits of ASCO membership along with the Annual Meeting and JCO. In 2006, five of the top 10 article downloads from the JCO were ASCO clinical practice guidelines. The process of developing ASCO guidelines is rigorous and summarized in a Methodology Manual available at ASCO.org.⁶ Following review and approval of a guideline proposal, an extensive systematic literature review is conducted often culminating in a metaanalysis of the evidence followed by a lengthy development process with a panel of both content and methodology experts producing a document with explicit recommendations that undergoes exhaustive internal and external review before final approval by the Panel, the Health Services Committee and the ASCO Board of Directors before publication in JCO.

Despite the apparent success of the ASCO guidelines, concern has been expressed about the utility and value of the guidelines document. Although published online as well as in print, it represents a formidable, often lengthy document packed with information about the supporting evidence which is discussed at length. Some have questioned whether the downloaded or printed guideline manuscripts are actually read and incorporated into clinical practice in a fashion in which they might favorably influence care of patients with cancer. Nearly three years ago, a number of initiatives were undertaken in an effort to better summarize, highlight, and disseminate the essential elements of the ASCO guidelines. These now include publication of the Guideline Summary in *JOP* along with supporting clinical tools sometimes available as tear outs in the published version and always available online for downloading. PowerPoint slides are developed and available online for use in continuing medical education programs related to guideline topics. In addition, patient guides to the guidelines are developed and are available online as well as through Patients Living With Cancer (PLWC). Recent initiatives to improve the breadth and timeliness of ASCO guidelines include a process for review and endorsement of evidence-based guidelines as well as other collaborations with respected professional organizations and now a mandated full review and, when indicated, a guideline update every two years.

As seen in the Venous Thromboembolism Summary in this issue of JOP, ASCO recommends consideration of prophylactic anticoagulation, if not contraindicated, in hospitalized patients with cancer; in cancer patients undergoing major surgical procedures; and in selected ambulatory patients with cancer receiving certain high risk regimens such as patients with multiple myeloma receiving thalidomide or lenalidomide in combination with chemotherapy or dexamethasone. Patients with cancer with established venous thromboembolism and no contraindication should receive subcutaneous heparin for up to 6 months and even longer in those receiving treatment for active cancer. Despite intriguing data, the ASCO Guideline Panel does not recommend the routine use of anticoagulants in cancer patients without venous thromboembolism to improve patient survival. These recommendations are based, in part, on a comprehensive systematic review prepared for the Panel, a portion of which was recently published.7 Other derivative products which have been developed include a PowerPoint slide set, algorithms, an anticoagulant order and flow sheet and a treatment dosing and schedule tool. In addition, a categorical course on Cancer and Thrombosis has been proposed for the 2008 annual meeting to highlight the ASCO Venous Thromboembolism guidelines as well as review much of the evidence behind these recommendations.

Despite all of these efforts, however, concern remains with regard to how well ASCO guidelines and their derivative products are disseminated, integrated into practice and appropriately utilized to enhance the optimal care of people with cancer. There are limited data on the actual impact of clinical practice guidelines on clinical decision making and overall patient care. Many strategies have been proposed to further enhance the impact of guidelines. The integration of guideline recommendations into the electronic health record has been discussed. Computer alert programs have been shown to increase the use of prophylactic anticoagulation reducing the risk of deep venous thrombosis and pulmonary embolism among hospitalized medical patients.⁸ This represents one of the potential complementary efforts under consideration to further enhance the use, utility, and value of ASCO clinical practice guidelines. Ultimately, demonstration of a direct impact of guidelines on clinical decision making, quality of patient care, reduction in medical errors, or even reduction in overall morbidity or mortality should be sought. However, the steps already taken and the strategies now in place represent important early steps toward achieving the

References

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