TARGET AUDIENCE
This activity has been designed to meet the educational needs of oncology nurses, nurse practitioners and clinical nurse specialists involved in the treatment of myeloproliferative neoplasms (MPNs).

OVERVIEW OF ACTIVITY
The Philadelphia chromosome-negative MPNs largely consist of 3 disease entities, all heralding from clonal disorders in which an initial molecular event in the hematopoietic stem cells results in an excessive production of blood cells. Essential thrombocythemia (ET), polycythemia vera (PV) and myelofibrosis (MF) are clinically distinguishable by laboratory and molecular parameters. However, they may represent a disease continuum on which transformation from the normally indolent ET or PV to the more aggressive MF results in a homogenous pathologic entity with a similarly poor prognosis and significant risk for the development of acute myeloid leukemia. MF is a debilitating disease for which the first therapy, the JAK1/2 inhibitor ruxolitinib, was FDA approved in 2011. Despite the significant benefits ruxolitinib has provided, the morbidity and mortality of this disease remain quite significant, and a number of important research efforts have been undertaken in an attempt to find more and better therapies. Thus, the collective attention of the MPN community has turned to ongoing research exploring the potential of other JAK inhibitors for MF, ET and PV, combination approaches and novel agents with unique mechanisms of action. Consequently, a variety of pertinent questions remain regarding the use of JAK inhibitors in these diseases and the optimal approach to management.

Although medical oncologists have been routinely responsible for counseling patients with regard to therapeutic decision-making, oncology nurses play an integral role in the successful delivery of systemic anticancer therapy and the preservation of patient physical and psychosocial well-being. These video proceedings from the fifth part of a 7-part integrated CNE curriculum originally held at the 2017 ONS Annual Congress feature discussions with leading MPN investigators and their nursing counterparts regarding actual patient cases and recent clinical research findings affecting the optimal therapeutic and supportive care for each patient scenario.

LEARNING OBJECTIVES
• Use an understanding of disease biology and natural history to communicate diagnosis and prognosis to patients with polycythemia vera (PV), essential thrombocythemia (ET) and myelofibrosis (MF).
• Discuss the benefits and risks associated with local and systemic therapies used in the evidence-based treatment of PV, ET and MF.
• Recognize the FDA approval of ruxolitinib for patients with PV, and provide related counseling to individuals who may be appropriate for therapeutic intervention with this agent.
• Counsel patients with JAK2 mutation-positive and mutation-negative MF about the efficacy and safety of ruxolitinib treatment.
• Appraise the role of ruxolitinib in patients with MF and thrombocytopenia, anemia or compromised renal function.
• Develop a plan to manage the side effects associated with ruxolitinib to support quality of life and continuation of treatment.
• Recall ongoing trials of investigational approaches in MF, PV and ET, and obtain consent and refer patients for study participation.

ACCREDITATION STATEMENT
Research To Practice is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

CREDIT DESIGNATION STATEMENT
This educational activity for 1.6 contact hours is provided by Research To Practice during the period of July 2017 through July 2018.
This activity is awarded 1.6 ANCC pharmacotherapeutic contact hours.

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The program content has been reviewed by the Oncology Nursing Certification Corporation (ONCC) and is acceptable for recertification points. To review certification qualifications please visit ResearchToPractice.com/ONS2017/ILNA.
ONCC review is only for designating content to be used for recertification points and is not for CNE accreditation. CNE
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FOR SUCCESSFUL COMPLETION
This is a video CNE program. To receive credit, participants should read the learning objectives and faculty disclosures, watch the video, complete the Post-test with a score of 80% or better and fill out the Educational Assessment and Credit Form located at ResearchToPractice.com/ONSMPN2017/CNE.

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FACULTY — The following faculty (and their spouses/partners) reported relevant conflicts of interest, which have been resolved through a conflict of interest resolution process:

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RESEARCH TO PRACTICE STAFF AND EXTERNAL REVIEWERS — The scientific staff and reviewers for Research To Practice have no relevant conflicts of interest to disclose.

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Hardware/Software Requirements:
A high-speed Internet connection
A monitor set to 1280 x 1024 pixels or more
Internet Explorer 7 or later, Firefox 3.0 or later, Chrome, Safari 3.0 or later
Adobe Flash Player 10.2 plug-in or later
Adobe Acrobat Reader
(Optional) Sound card and speakers for audio

Last review date: July 2017
Expiration date: July 2018

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