

## Supplementary File S4 Theme Development Framework

<b>Initial Codes</b>	<b>Categories</b>	<b>Final Theme</b>
Fatigue, pain, itching, sleep disturbance	Physical needs	Multidimensional supportive care needs
Anxiety, depression, emotional distress	Psychological needs	Multidimensional supportive care needs
Family support, caregiver support	Social needs	Multidimensional supportive care needs
Spiritual coping, prayer, religious support	Spiritual needs	Multidimensional supportive care needs
Communication, information needs	Care preferences	Patient preferences for person-centered care
Shared decision-making, autonomy	Decision-making preferences	Patient preferences for person-centered care
Financial burden, workforce shortages	Implementation barriers	Barriers to supportive care implementation
PROMs, interdisciplinary team, family engagement	Improvement strategies	Strategies to strengthen KSC