

ジャーナルウォッチ 緩和ケアに関する論文レビュー (2015年9～11月刊行分)

対象雑誌：N Engl J Med, Lancet, Lancet Oncol, JAMA, JAMA Intern Med, BMJ, Ann Intern Med, J Clin Oncol, Ann Oncol, Eur J Cancer, Br J Cancer, Cancer

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いわゆる“トップジャーナル”に掲載された緩和ケアに関する最新論文を広く紹介します。

【N Engl J Med. 2015;373(10-22)】

なし

【Lancet. 2015;386(9997-10009)】

1. 早期乳がんでのビスホスホネート補助療法の骨転移や生存への効果に関するメタ分析

Early Breast Cancer Trialists' Collaborative G, Coleman R, Powles T, Paterson A, Gnant M, Anderson S, et al. Adjuvant bisphosphonate treatment in early breast cancer: meta-analyses of individual patient data from randomised trials. Lancet. 2015;386(10001):1353-61.

【Lancet Oncol. 2015;16(9-14)】

2. 中等度催吐性化学療法の悪心・嘔吐の予防に対するNK-1受容体拮抗薬ロラピタントの効果と安全性：第Ⅲ相臨床試験

Schwartzberg LS, Modiano MR, Rapoport BL, Chasen MR, Gridelli C, Urban L, et al. Safety and efficacy of rolapitant for prevention of chemotherapy-induced nausea and vomiting after administration of moderately emetogenic chemotherapy or anthracycline and cyclophosphamide regimens in patients with cancer: a randomised, active-controlled, double-blind, phase 3 trial. Lancet Oncol. 2015;16(9):1071-8.

3. 高度催吐性化学療法の悪心・嘔吐の予防に対するNK-1受容体拮抗薬ロラピタントの効果と安全性：第Ⅲ相臨床試験

Rapoport BL, Chasen MR, Gridelli C, Urban L, Modiano MR, Schnadig ID, et al. Safety and efficacy of rolapitant for prevention of chemotherapy-induced nausea and vomiting after administration of cisplatin-based highly emetogenic chemotherapy in patients with cancer: two randomised, active-controlled, double-blind, phase 3 trials. Lancet Oncol. 2015;16(9):1079-89.

4. デキサメタゾンによる骨転移の放射線治療後の疼痛フレア予防：第Ⅲ相臨床試験

Chow E, Meyer RM, Ding K, Nabid A, Chabot P, Wong P, et al. Dexamethasone in the prophylaxis of radiation-induced pain flare after palliative radiotherapy for bone metastases: a double-blind, randomised placebo-controlled, phase 3 trial. Lancet Oncol. 2015;16(15):1463-72.

5. 骨髄異形成症候群での患者評価の倦怠感による予後予測

Efficace F, Gaidano G, Breccia M, Voso MT, Cottone F, Angelucci E, et al. Prognostic value of self-reported fatigue on overall survival in patients with myelodysplastic syndromes: a multicentre, prospective, observational, cohort study. Lancet Oncol. 2015;16(15):1506-14.

【JAMA. 2015;314(9-20)】

6. 急性腰痛に対する早期理学療法のRCT

Fritz JM, Magel JS, McFadden M, Asche C, Thackeray A, Meier W, et al. Early Physical Therapy vs Usual Care in Patients With Recent-Onset Low Back Pain: A Randomized Clinical Trial. JAMA. 2015;314(14):1459-67.

7. 米国の2003-2013年の鎮痛目的外のオピオイド使用の推移とリスク因子

Han B, Compton WM, Jones CM, Cai R. Nonmedical Prescription Opioid Use and Use Disorders Among Adults Aged 18 Through 64 Years in the United States, 2003-2013. JAMA. 2015;314(14):1468-78.

8. 米国の2004-2013年のオピオイド依存に対する治療状況 (Research Letter)

Saloner B, Karthikeyan S. Changes in Substance Abuse Treatment Use Among Individuals With Opioid Use Disorders in the United States, 2004-2013. JAMA. 2015;314(14):1515-7.

9. 免疫不全の1型呼吸不全患者の生存に対する非侵襲的換気療法NIVと酸素療法のRCT

Lemiale V, Mokart D, Resche-Rigon M, Pene F, Mayaux J, Faucher E, et al. Effect of Noninvasive Ventilation vs Oxygen Therapy on Mortality Among Immunocompromised Patients With Acute Respiratory Failure: A Randomized Clinical Trial. JAMA. 2015;314(16):1711-9.

10. 米国の1969-2013年の死亡率の推移

Ma J, Ward EM, Siegel RL, Jemal A. Temporal Trends in Mortality in the United States, 1969-2013. *JAMA*. 2015;314(16):1731-9.

[JAMA Intern Med. 2015;175(9-11)]

11. 認知症患者の認知機能テストに関するメタアナリシス

Tsoi KK, Chan JY, Hirai HW, Wong SY, Kwok TC. Cognitive Tests to Detect Dementia: A Systematic Review and Meta-analysis. *JAMA Intern Med*. 2015;175(9):1450-8.

12. 合併症としての不眠に対する認知行動療法のメタアナリシス

Wu JQ, Appleman ER, Salazar RD, Ong JC. Cognitive Behavioral Therapy for Insomnia Comorbid With Psychiatric and Medical Conditions: A Meta-analysis. *JAMA Intern Med*. 2015;175(9):1461-72.

13. 75歳以上の高齢者と家族介護者の健康情報の共有と管理法の質的研究

Crotty BH, Walker J, Dierks M, Lipsitz L, O'Brien J, Fischer S, et al. Information Sharing Preferences of Older Patients and Their Families. *JAMA Intern Med*. 2015;175(9):1492-7.

14. オランダの End-of-Life Clinic での積極的安楽死と自殺補助の提供状況とその関連要因

Snijdewind MC, Willems DL, Deliens L, Onwuteaka-Philipsen BD, Chambaere K. A Study of the First Year of the End-of-Life Clinic for Physician-Assisted Dying in the Netherlands. *JAMA Intern Med*. 2015;175(10):1633-40.

15. フロリダ州の処方薬監視システムと pill Mill 法のオピオイド処方や使用への影響

Rutkow L, Chang HY, Daubresse M, Webster DW, Stuart EA, Alexander GC. Effect of Florida's Prescription Drug Monitoring Program and Pill Mill Laws on Opioid Prescribing and Use. *JAMA Intern Med*. 2015;175(10):1642-9.

16. ICU での家族との治療目標に関する面談時の宗教やスピリチュアルな側面に対する医療者の対応

Ernecoff NC, Curlin FA, Buddadhumaruk P, White DB. Health Care Professionals' Responses to Religious or Spiritual Statements by Surrogate Decision Makers During Goals-of-Care Discussions. *JAMA Intern Med*. 2015;175(10):1662-9.

17. ベルギーでの安楽死の 2007 年と 2013 年の比較 (Research Letter)

Dierickx S, Deliens L, Cohen J, Chambaere K. Comparison of the Expression and Granting of Requests for Euthanasia in Belgium in 2007 vs 2013. *JAMA Intern Med*. 2015;175(10):1703-6.

18. 心不全入院患者の症状 (Research Letter)

Khan RF, Feder S, Goldstein NE, Chaudhry SI. Symptom Burden Among Patients Who Were Hospitalized for Heart Failure. *JAMA Intern Med*. 2015;175(10):1713-5.

19. かかりつけ医での抗うつ薬選択や抑うつ症状に対する薬物療法意思決定支援ツールのクラスター RCT

LeBlanc A, Herrin J, Williams MD, Inselman JW, Branda ME, Shah ND, et al. Shared Decision Making for Antidepressants in Primary Care: A Cluster Randomized Trial. *JAMA Intern Med*. 2015;175(11):1761-70.

20. 心不全患者での認知行動療法の抑うつやセルフケアの RCT

Freedland KE, Carney RM, Rich MW, Steinmeyer BC, Rubin EH. Cognitive Behavior Therapy for Depression and Self-Care in Heart Failure Patients: A Randomized Clinical Trial. *JAMA Intern Med*. 2015;175(11):1773-82.

[BMJ. 2015;351(8023-8032)]

21. 欧州 34 カ国の 1970 ~ 2002 年の大腸がんの死亡率

Ait Ouakrim D, Pizot C, Boniol M, Malvezzi M, Boniol M, Negri E, et al. Trends in colorectal cancer mortality in Europe: retrospective analysis of the WHO mortality database. *BMJ*. 2015;351:h4970.

22. 緩和ケアでの悪心・嘔吐に関する総説

Collis E, Mather H. Nausea and vomiting in palliative care. *BMJ*. 2015;351:h6249.

[Ann Intern Med. 2015;163(5-10)]

23. 慢性頸部痛に対するアレクサンダー・テクニックと鍼治療の無作為化比較試験

MacPherson H, Tilbrook H, Richmond S, Woodman J, Ballard K, Atkin K, et al. Alexander Technique Lessons or Acupuncture Sessions for Persons With Chronic Neck Pain: A Randomized Trial. *Ann Intern Med*. 2015;163(9):653-62.

[J Clin Oncol. 2015;33(25-33)]

24. 進行肺がん患者に対する院内緩和ケアチームの早期コンサルテーションによる医療費削減効果

May P, Garrido MM, Cassel JB, Kelley AS, Meier DE, Normand C, et al. Prospective Cohort Study of Hospital Palliative Care Teams for Inpatients With Advanced Cancer: Earlier Consultation Is Associated With Larger Cost-Saving Effect. *J Clin Oncol*. 2015;33(25):2745-52.

25. 小児がんサバイバーの長期的な腸閉塞リスク

Madenci AL, Fisher S, Diller LR, Goldsby RE, Leisenring WM, Oeffinger KC, et al. Intestinal Obstruction in Survivors of Childhood Cancer: A Report From the Childhood Cancer Survivor Study. *J Clin Oncol*. 2015;33(26):2893-900.

26. 乳がんの診断や治療のの外来での外科的処置の際の麻酔薬の要求や不安に対する音楽療法の効果に関する無作為化比較試験
Palmer JB, Lane D, Mayo D, Schluchter M, Leeming R. Effects of Music Therapy on Anesthesia Requirements and Anxiety in Women Undergoing Ambulatory Breast Surgery for Cancer Diagnosis and Treatment: A Randomized Controlled Trial. *J Clin Oncol.* 2015;33(28):3162-8.
27. 頭頸部がん患者の晩期障害に対する支持療法の進歩のレビュー
Murphy BA, Deng J. Advances in Supportive Care for Late Effects of Head and Neck Cancer. *J Clin Oncol.* 2015;33(29):3314-21.
28. 頭頸部がんのサバイバーシップと QOL に関する総説
Ringash J. Survivorship and Quality of Life in Head and Neck Cancer. *J Clin Oncol.* 2015;33(29):3322-7.
29. 脳転移治療に関する総説
Lin X, DeAngelis LM. Treatment of Brain Metastases. *J Clin Oncol.* 2015;33(30):3475-84.
30. 患者入力式のサバイバーシップケアプランの情報・医療満足度に対する効果：クラスター無作為化比較試験（サバイバーシップケアプラン：患者・医療者共有のカルテ、病歴や経過観察の計画などを記載）
Nicolaije KA, Ezendam NP, Vos MC, Pijnenborg JM, Boll D, Boss EA, et al. Impact of an Automatically Generated Cancer Survivorship Care Plan on Patient-Reported Outcomes in Routine Clinical Practice: Longitudinal Outcomes of a Pragmatic, Cluster Randomized Trial. *J Clin Oncol.* 2015;33(31):3550-9.
31. 成人網膜芽腫サバイバーの長期的な心理社会的アウトカム
Ford JS, Chou JF, Sklar CA, Oeffinger KC, Novetsky Friedman D, McCabe M, et al. Psychosocial Outcomes in Adult Survivors of Retinoblastoma. *J Clin Oncol.* 2015;33(31):3608-14.
32. 乳がん患者のほてりに対する鍼治療との無作為化比較試験
Mao JJ, Bowman MA, Xie SX, Bruner D, DeMichele A, Farrar JT. Electroacupuncture Versus Gabapentin for Hot Flashes Among Breast Cancer Survivors: A Randomized Placebo-Controlled Trial. *J Clin Oncol.* 2015;33(31):3615-20.
33. 進行がんでの院内緩和ケアコンサルテーションの人種による違い
Sharma RK, Cameron KA, Chmiel JS, Von Roenn JH, Szmuiłowicz E, Prigerson HG, et al. Racial/Ethnic Differences in Inpatient Palliative Care Consultation for Patients With Advanced Cancer. *J Clin Oncol.* 2015;33(32):3802-8.
34. 進行がん患者への予後告知と予後理解、苦痛、医療者との関係との関連
Enzinger AC, Zhang B, Schrag D, Prigerson HG. Outcomes of Prognostic Disclosure: Associations With Prognostic Understanding, Distress, and Relationship With Physician Among Patients With Advanced Cancer. *J Clin Oncol.* 2015;33(32):3809-16.
35. 小児がんサバイバーに対するコンピューターによる認知機能訓練の効果に関する無作為化比較試験
Conklin HM, Ogg RJ, Ashford JM, Scoggins MA, Zou P, Clark KN, et al. Computerized Cognitive Training for Amelioration of Cognitive Late Effects Among Childhood Cancer Survivors: A Randomized Controlled Trial. *J Clin Oncol.* 2015;33(33):3894-902.

【Ann Oncol. 2015;26(9-11)】

36. 化学療法中の乳がん患者での G-CSF 製剤フィルグラスチムとそのバイオ後続品 EP2006 の重度好中球減少症に対する効果に関する第Ⅲ相試験
Blackwell K, Semiglazov V, Krasnozhan D, Davidenko I, Nelyubina L, Nakov R, et al. Comparison of EP2006, a filgrastim biosimilar, to the reference: a phase III, randomized, double-blind clinical study in the prevention of severe neutropenia in patients with breast cancer receiving myelosuppressive chemotherapy. *Ann Oncol.* 2015;26(9):1948-53.
37. 腫瘍科と緩和ケアの統合の国際的に合意された指標の開発
Hui D, Bansal S, Strasser F, Morita T, Caraceni A, Davis M, et al. Indicators of integration of oncology and palliative care programs: an international consensus. *Ann Oncol.* 2015;26(9):1953-9.
38. 進行期非小細胞肺がんでの必須アミノ酸摂取によるタンパク質合成への影響
Engelen MP, Safar AM, Bartter T, Koeman F, Deutz NE. High anabolic potential of essential amino acid mixtures in advanced nonsmall cell lung cancer. *Ann Oncol.* 2015;26(9):1960-6.
39. がん患者への情報提供と意思決定での葛藤との関連
Sim JA, Shin JS, Park SM, Chang YJ, Shin A, Noh DY, et al. Association between information provision and decisional conflict in cancer patients. *Ann Oncol.* 2015;26(9):1974-80.
40. 精巣がんサバイバーでの慢性倦怠感の長期的な発症とそのリスク因子
Sprauten M, Haugnes HS, Brydoy M, Kiserud C, Tandstad T, Bjoro T, et al. Chronic fatigue in 812 testicular cancer survivors during long-term follow-up: increasing prevalence and risk factors. *Ann Oncol.* 2015;26(10):2133-40.
41. 血液がん患者の腫瘍崩壊症候群の予防に対するフェブキシスタッドとアロプリノールの第Ⅲ相比較試験
Spina M, Nagy Z, Ribera JM, Federico M, Aurer I, Jordan K, et al. FLORENCE: a randomized, double-blind, phase III pivotal study of febuxostat versus allopurinol for the prevention of tumor lysis syndrome (TLS) in patients with

hematologic malignancies at intermediate to high TLS risk. *Ann Oncol.* 2015;26(10):2155-61.

42. 高齢の進行期乳がん患者の死因の人種差

Ning J, Peng S, Ueno N, Xu Y, Shih Y, Karuturi M, et al. Has racial difference in cause-specific death improved in older patients with late-stage breast cancer? *Ann Oncol.* 2015;26(10):2161-8.

43. 乳がん骨転移に対するビスホスホネートやデノスマブの減量治療のメタアナリシス

Ibrahim MF, Mazzarello S, Shorr R, Vandermeer L, Jacobs C, Hilton J, et al. Should de-escalation of bone-targeting agents be standard of care for patients with bone metastases from breast cancer? A systematic review and meta-analysis. *Ann Oncol.* 2015;26(11):2205-13.

44. 在宅中心静脈栄養を受ける根治不能な悪液質がん患者の予後予測ノモグラムの開発と妥当性検証

Bozzetti F, Cotogni P, Lo Vullo S, Pironi L, Giardiello D, Mariani L. Development and validation of a nomogram to predict survival in incurable cachectic cancer patients on home parenteral nutrition. *Ann Oncol.* 2015;26(11):2335-40.

【*Eur J Cancer.* 2015;51(13-17)】

45. 若年直腸がん患者の疾患・治療の特徴と生存期間

Orsini RG, Verhoeven RH, Lemmens VE, van Steenberghe LN, de Hingh IH, Nieuwenhuijzen GA, et al. Comparable survival for young rectal cancer patients, despite unfavourable morphology and more advanced-stage disease. *Eur J Cancer.* 2015;51(13):1675-82.

46. デノスマブによる低カルシウム血症のリスク因子

Body JJ, Bone HG, de Boer RH, Stopeck A, Van Poznak C, Damiao R, et al. Hypocalcaemia in patients with metastatic bone disease treated with denosumab. *Eur J Cancer.* 2015;51(13):1812-21.

47. 70% エタノールロックによる小児がんでの中心静脈カテーテル関連血流感染予防効果の無作為化比較試験

Schoot RA, van Ommen CH, Stijnen T, Tissing WJ, Michiels E, Abbink FC, et al. Prevention of central venous catheter-associated bloodstream infections in paediatric oncology patients using 70% ethanol locks: A randomised controlled multi-centre trial. *Eur J Cancer.* 2015;51(14):2031-8.

48. 英国の15 - 24歳のがん患者の予後：1992年～2006年の傾向

O'Hara C, Moran A, Whelan JS, Hough RE, Stiller CA, Stevens MC, et al. Trends in survival for teenagers and young adults with cancer in the UK 1992-2006. *Eur J Cancer.* 2015;51(14):2039-48.

49. 新規がんと診断された患者の介護者の満たされないケア・ニーズと抑うつとの関連

Heckel L, Fennell KM, Reynolds J, Osborne RH, Chirgwin J, Botti M, et al. Unmet needs and depression among carers of people newly diagnosed with cancer. *Eur J Cancer.* 2015;51(14):2049-57.

50. 欧州29カ国の年齢とがん原発部位を調整したがん患者の生存期間：1999年～2007年の傾向

Baili P, Di Salvo F, Marcos-Gragera R, Siesling S, Mallone S, Santaquilani M, et al. Age and case mix-standardised survival for all cancer patients in Europe 1999-2007: Results of EURO-CARE-5, a population-based study. *Eur J Cancer.* 2015. 51(15):2120-9.

51. 乳がんサバイバーのp化学療法後18年での心機能アセスメント

de Azambuja E, Ameye L, Diaz M, Vandenbossche S, Aftimos P, Hernandez SB, et al. Cardiac assessment of early breast cancer patients 18 years after treatment with cyclophosphamide-, methotrexate-, fluorouracil- or epirubicin-based chemotherapy. *Eur J Cancer.* 2015;51(17):2517-24.

52. 英国の49歳以下のがん患者での予後の年齢による比較

Stark D, Bowen D, Dunwoodie E, Feltbower R, Johnson R, Moran A, et al. Survival patterns in teenagers and young adults with cancer in the United Kingdom: Comparisons with younger and older age groups. *Eur J Cancer.* 2015;51(17):2643-54.

【*Br J Cancer.* 2015;113(5-10)】

53. 小児がんサバイバーの精神障害

Fidler MM, Ziff OJ, Wang S, Cave J, Janardhanan P, Winter DL, et al. Aspects of mental health dysfunction among survivors of childhood cancer. *Br J Cancer.* 2015;113(7):1121-32.

54.4 大陸14カ国のがん患者の死亡場所

Cohen J, Pivodic L, Miccinesi G, Onwuteaka-Philipsen BD, Naylor WA, Wilson DM, et al. International study of the place of death of people with cancer: a population-level comparison of 14 countries across 4 continents using death certificate data. *Br J Cancer.* 2015;113(9):1397-404.

【*Cancer.* 2015;121(17-22)】

55. オーストラリア先住民でのがんケア・ニーズ評価尺度の信頼性・妥当性検証

Garvey G, Beesley VL, Janda M, O'Rourke PK, He VY, Hawkes AL, et al. Psychometric properties of an Australian

- supportive care needs assessment tool for Indigenous patients with cancer. *Cancer*. 2015;121(17):3018-26.
56. 症状評価尺度 ESAS がん患者での臨床上に意味のある最小変化量 MCID
Hui D, Shamieh O, Paiva CE, Perez-Cruz PE, Kwon JH, Muckaden MA, et al. Minimal clinically important differences in the Edmonton Symptom Assessment Scale in cancer patients: A prospective, multicenter study. *Cancer*. 2015;121(17):3027-35.
57. がん患者の死亡前 1 ヶ月間の積極治療と医療費の関連
Cheung MC, Earle CC, Rangrej J, Ho TH, Liu N, Barbera L, et al. Impact of aggressive management and palliative care on cancer costs in the final month of life. *Cancer*. 2015;121(18):3307-15.
58. 非ホジキンリンパ腫の長期サバイバーの生活様式と健康関連 QOL の関連
Spector DJ, Noonan D, Mayer DK, Benecha H, Zimmerman S, Smith SK. Are lifestyle behavioral factors associated with health-related quality of life in long-term survivors of non-Hodgkin lymphoma? *Cancer*. 2015;121(18):3343-51.
59. 中国系米国人がん患者評価の症状
Dhingra LK, Lam K, Cheung W, Shao T, Li Z, Van de Maele S, et al. Variation in symptom distress in underserved Chinese American cancer patients. *Cancer*. 2015;121(18):3352-9.
60. オピオイドと乳癌再発の関連
Cronin-Fenton DP, Heide-Jorgensen U, Ahern TP, Lash TL, Christiansen PM, Ejlersen B, et al. Opioids and breast cancer recurrence: A Danish population-based cohort study. *Cancer*. 2015;121(19):3507-14.
61. 患者と腫瘍医の信頼関係と介護者の悲嘆への適応との関連
Trevino KM, Maciejewski PK, Epstein AS, Prigerson HG. The lasting impact of the therapeutic alliance: Patient-oncologist alliance as a predictor of caregiver bereavement adjustment. *Cancer*. 2015;121(19):3534-42.
62. 上皮性卵巣がん患者の主観的幸福感と脳内のノルエピネフリンの関連
Davis LZ, Slavich GM, Thaker PH, Goodheart MJ, Bender DP, Dahmouh L, et al. Eudaimonic well-being and tumor norepinephrine in patients with epithelial ovarian cancer. *Cancer*. 2015;121(19):3543-50.
63. 18 歳以下の子を有するがん患者の子育ての自己効力感と苦悩とその要因
Moore CW, Rauch PK, Baer L, Pirl WF, Muriel AC. Parenting changes in adults with cancer. *Cancer*. 2015;121(19):3551-7.
64. 甲状腺がんの放射性ヨード治療の意思決定支援の長期効果
Sawka AM, Straus S, Rodin G, Heus L, Brierley JD, Tsang RW, et al. Thyroid cancer patient perceptions of radioactive iodine treatment choice: Follow-up from a decision-aid randomized trial. *Cancer*. 2015;121(20):3717-26.
65. 緩和ケアを受ける進行がん患者の倦怠感に対するメラトニンの効果の無作為化比較試験
Lund Rasmussen C, Klee Olsen M, Thit Johnsen A, Petersen MA, Lindholm H, Andersen L, et al. Effects of melatonin on physical fatigue and other symptoms in patients with advanced cancer receiving palliative care: A double-blind placebo-controlled crossover trial. *Cancer*. 2015;121(20):3727-36.
66. 肺がん患者の家族に対する多職種協働緩和ケアの準実験研究
Sun V, Grant M, Koczywas M, Freeman B, Zachariah F, Fujinami R, et al. Effectiveness of an interdisciplinary palliative care intervention for family caregivers in lung cancer. *Cancer*. 2015;121(20):3737-45.
67. がん患者の宗教とスピリチュアリティに関する総説
Salsman JM, Fitchett G, Merluzzi TV, Sherman AC, Park CL. Religion, spirituality, and health outcomes in cancer: A case for a meta-analytic investigation. *Cancer*. 2015;121(21):3754-9.
68. がん患者の宗教、スピリチュアリティ、身体的健康状態に関するメタアナリシス
Jim HS, Pustejovsky JE, Park CL, Danhauer SC, Sherman AC, Fitchett G, et al. Religion, spirituality, and physical health in cancer patients: A meta-analysis. *Cancer*. 2015;121(21):3760-8.
69. がん患者の宗教、スピリチュアリティ、精神的健康状態に関するメタアナリシス
Salsman JM, Pustejovsky JE, Jim HS, Munoz AR, Merluzzi TV, George L, et al. A meta-analytic approach to examining the correlation between religion/spirituality and mental health in cancer. *Cancer*. 2015;121(21):3769-78.
70. がん患者の宗教、スピリチュアリティ、QOL に関する課題や今後の展望
Park CL, Sherman AC, Jim HS, Salsman JM. Religion/spirituality and health in the context of cancer: Cross-domain integration, unresolved issues, and future directions. *Cancer*. 2015;121(21):3789-94.
71. 米国のがん診療拠点病院とそれ以外の施設でのがん治療と医療アクセスの比較
Wolfson JA, Sun CL, Wyatt LP, Hurria A, Bhatia S. Impact of care at comprehensive cancer centers on outcome: Results from a population-based study. *Cancer*. 2015;121(21):3885-93.
72. 外来化学療法中のがん患者の症状緩和に対する高度実践看護師 NP による介入効果に関する無作為化比較試験
Traeger L, McDonnell TM, McCarty CE, Greer JA, El-Jawahri A, Temel JS. Nursing intervention to enhance outpatient chemotherapy symptom management: Patient-reported outcomes of a randomized controlled trial. *Cancer*. 2015;121(21):3905-13.