

高雄榮民總醫院

肺癌（小細胞癌）診療原則

癌症中心 肺癌醫療團隊擬定

Reference: NCCN Clinical Practice Guideline in Oncology™, SCLC, V.1.2015

小細胞肺癌

高雄榮民總醫院
臨床診療指引

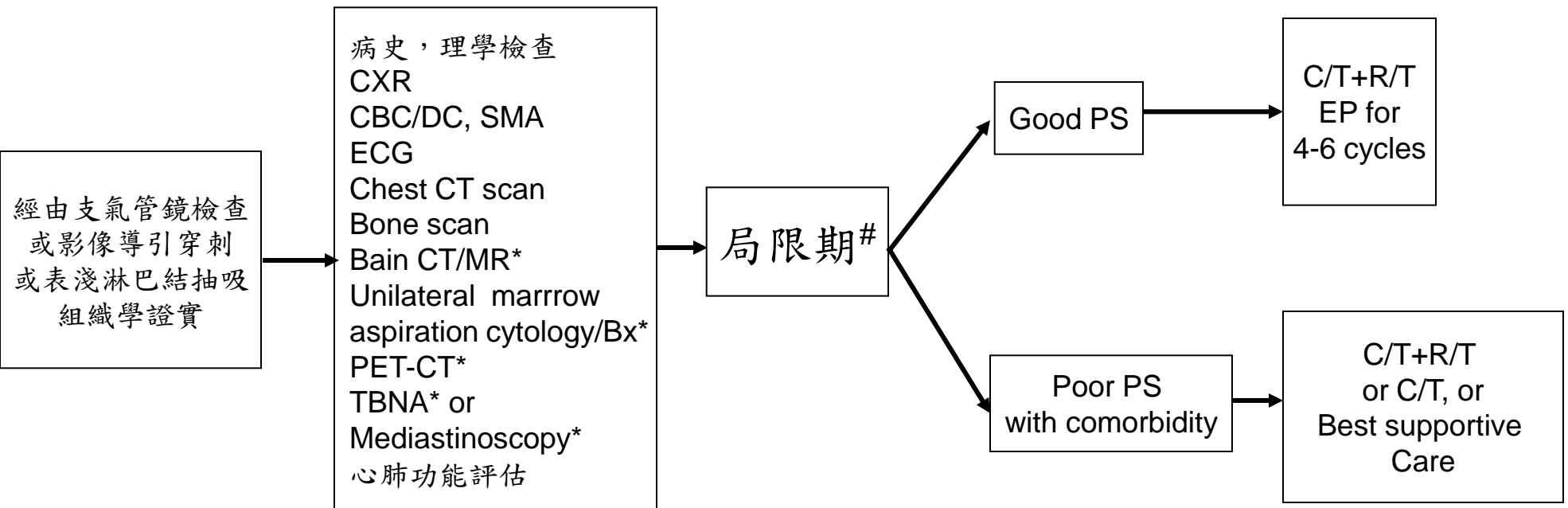
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診斷

初步評估

分期

初始治療



* Optional

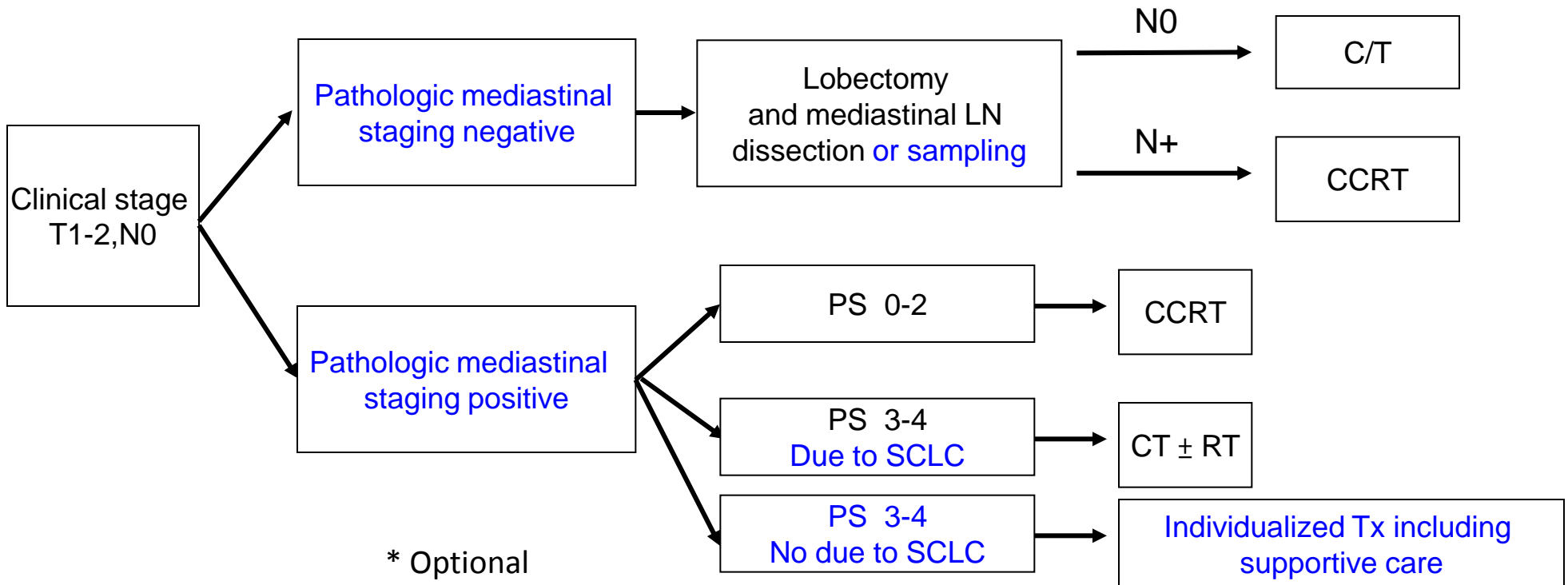
局限期：T any, N any, M0; except T3-4 due to multiple lung nodules

小細胞肺癌

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分期	再評估	結果	治療
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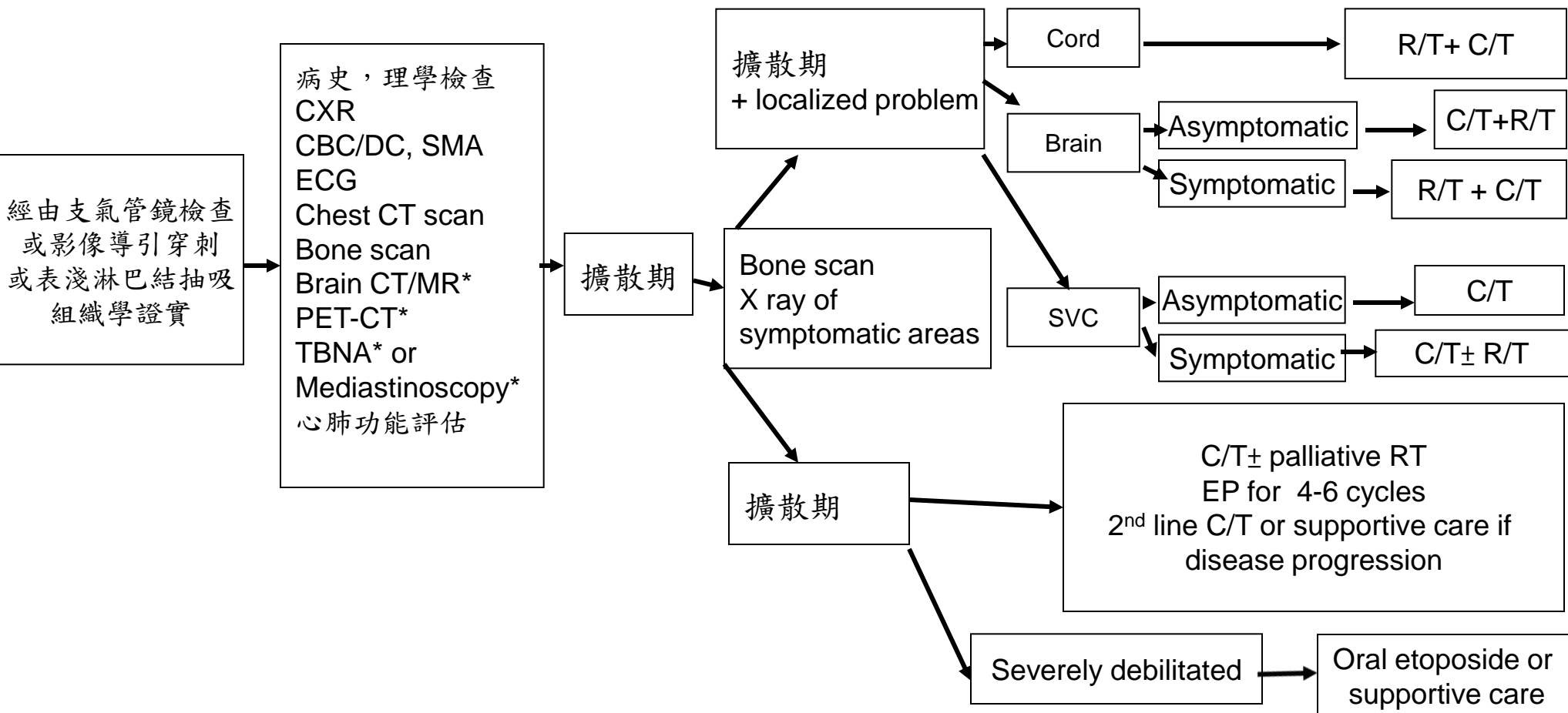
局限期：T any, N any, M0; except T3-4 due to multiple lung nodules

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診斷	初步評估	分期	進一步評估	初始治療
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擴散期：T any, N any, M1a/b; T3-4 due to multiple lung nodules

小細胞肺癌

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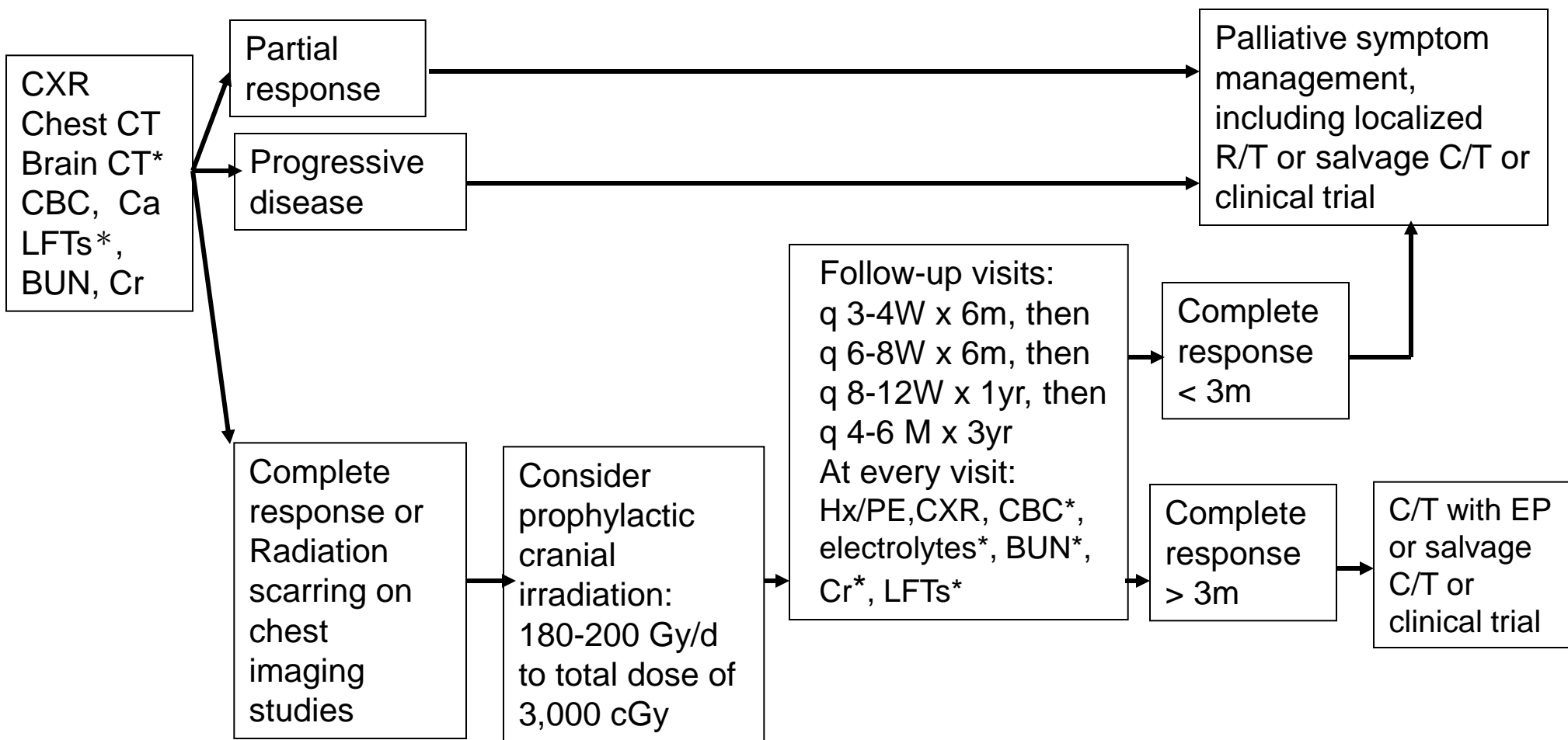
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初步治療後的反應評估

輔助治療

SURVEILLANCE

SALVAGE /
PALLIATION



小細胞肺癌

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一線化學治療處方

Published C/T Regimens	Schedule
Cisplatin 60-80 mg/m ² , IV, D1 Etoposide 60-80 mg/ m ² , IV, D1-3	Q28 d x 4-6 cycles
Cyclophosphamide 1000 mg/ m ² , IV, D1 Doxorubicin 45 mg/ m ² IV, D1 Vincristine 1.4 mg/ m ² , IV, D1	Q28 d x 4-6 cycles

若腎功能不佳，CCr < 60 ml/min，cisplatin 可以 carboplatin AUC 4-6 取代

二線化學治療處方

Published C/T Regimens	Schedule
Topotecan 1.2 mg/m ² , IV, D1-3	Q28 d x 4-6 cycles
Topotecan 2.3 mg/m ² , PO, D1-3	Q28 d x 4-6 cycles
Etoposide 120-150 mg/m ² , PO, D1~5	Q28 d x 4-6 cycles
Cyclophosphamide 1000 mg/ m ² , IV, D1 Doxorubicin 45 mg/ m ² IV, D1 Vincristine 1.4 mg/ m ² , IV, D1	Q28 d x 4-6 cycles
Paclitaxel 60 mg/m ² , IV, D1,8,15	Q28 d x 4-6 cycles
Docetaxel 30 mg/m ² , IV, D1,8,15	Q28 d x 4-6 cycles
Gemcitabine 900-1000 mg/m ² , IV, D1,8,15	Q28 d x 4-6 cycles
Vinorelbine 25 mg/ m ² IV, D1,8,15	Q28 d x 4-6 cycles
Vinorelbine 60 mg/m ² , PO, D1,8	Q21 d x 4-6 cycles

若腎功能不佳，CCr < 60 ml/min，cisplatin 可以 carboplatin AUC 4-6 取代

非小細胞肺癌

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臨床診療指引

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此版新增抗癌藥物停藥準則：

1. 病人拒絕。
2. 病況不宜：ECOG4。

References

1. Le Pechoux C, Dhermain F, Bretel JJ et al. Modalities of radiotherapy in small cell lung cancer: thoracic radiotherapy and prophylactic cerebral irradiation. *Rev. Pneumol. Clin.* 2004; 3S: 91–103.
2. Simon GR, Wagner H. Small cell lung cancer. *Chest* 2003; 123: 259S–71S.
3. Ihde DC. Small cell lung cancer. State of the art therapy 1994. *Chest* 1995; 107: 243S–8S.
4. Maghfoor I. Lung Cancer, Oat Cell (Small Cell). [Cited 1 Sep 2005].
5. Raez L, Samuels M, Lilenbaum R. Combined modality therapy for limited disease small cell lung cancer. *Curr. Treat. Options Oncol.* 2005; 6: 69–74.
6. Berghmans T, Paesmans M, Mascaux C et al. A meta-analysis of the role of etoposide (VP-16) and cisplatin (CDDP) in small cell lung cancer (SCLC) with a methodology assessment. *Eur. J. Cancer* 1999; 35 (Suppl. 4): 248.
7. Kurup A, Hanna NH. Treatment of small cell lung cancer. *Crit. Rev. Oncol. Haematol.* 2004; 52: 117–26.
8. Mascaux C, Paesmans M, Berghmans T et al. A systematic review of the role of etoposide and cisplatin in the chemotherapy of small cell lung cancer with methodology assessment and meta-analysis. *Lung Cancer* 2000; 30: 23–36.
9. Aisner J, Abrams J. Cisplatin for small cell lung cancer. *Semin. Oncol.* 1989; 16 (4 Suppl. 6): 2–9.
10. Christodoulou C, Skarlos DV. Treatment of small cell lung cancer. *Semin. Respir. Crit. Care Med.* 2005; 26: 333–41.
11. Hahn NM, Hanna N. Combined chemoradiotherapy in small cell lung cancer. *Hematol. Oncol. Clin. North Am.* 2005; 19: 321–42.
12. Brahmer JR, Ettinger DS. Carboplatin in the treatment of small cell lung cancer. *Oncologist* 1998; 3: 143–54.
13. Noda K, Nishiwaki Y, Masaaki Kawahara M et al. for the Japan Clinical Oncology Group. Irinotecan plus cisplatin compared with etoposide plus cisplatin for extensive small-cell lung cancer. *N. Engl. J. Med.* 2002; 346: 85–91.
14. Han JY, Cho KH, Lee DH et al. Phase II study of irinotecan plus cisplatin induction followed by concurrent twice-daily thoracic irradiation with etoposide plus cisplatin chemotherapy for limited disease small cell lung cancer. *J. Clin. Oncol.* 2005; 23: 3488–94.
15. Sculier JP, Berghmans T, Castaigne C et al. Maintenance chemotherapy for small cell lung cancer: a critical review of the literature. *Lung Cancer* 1998; 19: 141–51.
16. Spiro SG, Souhami RL. Duration of chemotherapy in small cell lung cancer. *Thorax* 1990; 45: 1–2.
17. Hanna NH, Sandier AB, Loehrer PJ Sr et al. Maintenance daily oral etoposide versus no further therapy following induction chemotherapy with etoposide plus ifosfamide plus cisplatin in extensive small cell lung cancer: a Hoosier Oncology Group randomized study. *Ann. Oncol.* 2002; 13: 95–102.
18. Huisman C, Postmus PE, Giaccone G, Smit EF. Second line chemotherapy and its evaluation in small cell lung cancer. *Cancer Treat. Rev.* 1999; 25: 199–206.
19. Sundstrom S, Bremnes RM, Kassa S, Aasebo U, Aamdal S, Norwegian Lung Cancer Study Group. Second line chemotherapy in recurrent small cell lung cancer. Results from a crossover schedule after primary treatment with cisplatin and etoposide (EP-regimen) or cyclophosphamide, epirubicin and vincristin (CEV-regimen). *Lung Cancer* 2005; 48: 263–5.
20. Eckardt JR. Emerging role of weekly topotecan in recurrent small cell lung cancer. *Oncologist* 2004; 9 (Suppl. 6): 25–32.
21. Souhami RL, Spiro SG, Rudd RM et al. Five day oral etoposide treatment for advanced small cell lung cancer: randomized comparison with intravenous chemotherapy. *J. Natl. Cancer Inst.* 1997; 89: 577–80.

References

22. Warde P, Payne D. Does thoracic irradiation improve survival and local control in limited stage small cell carcinoma of the lung? A meta-analysis. *J. Clin. Oncol.* 1984; 2: 1200–8.
23. Gregor A, Drings P, Burghouts J et al. Randomized trial of alternating versus sequential radiotherapy/chemotherapy in limited disease patients with small cell lung cancer: a European Organization for Research and Treatment of Cancer Lung Cancer Cooperative Group study. *J. Clin. Oncol.* 1997; 15: 2840–9.
24. Waddell TK, Shepherd FA. Should aggressive surgery ever be part of the management of small cell lung cancer? *Thorac. Surg. Clin.* 2004; 14: 271–81.
25. Plunkett TA, Chrystal KF, Harper PG. Quality of life and the treatment of advanced lung cancer. *Clin. Lung Cancer* 2003; 5: 28–32.
26. Gower NH, Rudd RM, Ruiz de Elvira MC et al. Assessment of 'quality of life' using a diary card in a randomised trial of chemotherapy in small cell lung cancer. *Ann. Oncol.* 1995; 6: 575–80.
27. Weinmann M, Jeremic B, Bamberg M, Bokemeyer C. Treatment of lung cancer in elderly part 2: small cell lung cancer. *Lung Cancer* 2003; 40: 1–16.
28. Schild SE, Stella PJ, Brooks BJ et al. Results of combined-modality therapy for limited-stage small cell lung carcinoma in the elderly. *Cancer* 2005; 103: 1–6.
29. Shah C et al. A multi-center phase II study of weekly topotecan as second-line therapy for small cell lung cancer. *Lung Cancer* 2007;57:84-88.
30. Shipley DL et al. Weekly intravenous schedule similar to standard 5-day IV schedule as second-line therapy for relapsed small cell lung cancer– A Minnie Pearl Cancer Research Network phase II trial. *J Clin Oncol* 2006;24 (suppl 18): Abstract 7083