

LORI LOWE, M.D.
CLINICAL ASSOCIATE PROFESSOR OF PATHOLOGY AND DERMATOLOGY
DEPARTMENTS OF PATHOLOGY AND DERMATOLOGY

ANNUAL DEPARTMENTAL REPORT
1 JULY 2000 - 30 JUNE 2001

I. CLINICAL ACTIVITIES:

- A. Dermatopathology Service – 12 months.
- B. Dermatopathology Consultation Service (including MLabs and Veterans Administration Hospital) – 12 months.

II. TEACHING ACTIVITIES:

- A. Medical Students:
 - 1. Lecturer, MS II Dermatology Sequence.
 - 2. Dermatopathology laboratory director and instructor, MS II Dermatology Sequence
 - 3. Dermatopathology, Pathology Clerkship, MS I and MS IV students (4 students).
- B. House Officers:
 - 1. Dermatopathology sign-out.
 - 2. Review of dermatopathology consultation material.
 - 3. Dermatopathology teaching conference/weekly.
- C. Diagnostic Conference, Department of Dermatology (weekly).
- D. Director of Diagnostic Conference, Department of Dermatology – (monthly)
- E. Hospital Conferences:
 - 1. Multidisciplinary Melanoma Conference (twice monthly).
- F. Honors:
 - 1. Recognition in *The National Registry of Who's Who*, 2001 Edition.

III. RESEARCH ACTIVITIES:

Projects under Study:

- A. Genes, environment, and melanoma (GEM) study (Multicenter collaborative investigation); local principal investigator: Stephen B. Gruber, M.D., Ph.D., MPH.
- B. Sunbelt Melanoma Trial (SMT): A multicenter trial of adjuvant interferon alpha-2b for melanoma patients with early lymph node metastasis detected by lymphatic mapping and sentinel lymph node biopsy. Local principal investigator: Vernon Sondak, M.D.
- C. Histologic features of thick non-metastasizing melanomas (cohort study – North American Melanoma Pathology Study Group).
- D. Histologic parameters of dysplastic nevi (cohort study – North American Pathology Study Group).

- E. Immunohistochemical evaluation of sentinel lymph nodes for micrometastases: patterns of involvement and sensitivity of S100, HMB45 and melan-A immunostains (D. Fullen, D. Karimipour, L. Su, and T. Johnson)

IV. ADMINISTRATIVE ACTIVITIES:

DEPARTMENTAL:

- A. Director, Dermatopathology Service.
- B. Quality Assurance/Quality Control Program. Cutaneous Surgery and Oncology Unit.

REGIONAL AND NATIONAL:

- A. Member, Dermatopathology Test Committee, American Board of Pathology.
- B. Member, Dermatopathology Test Committee, American Board of Dermatology.
- C. Member, North American Melanoma Pathology Study Group.
- D. Member, American Medical Women's Association Mentorship Program
- E. Member, American Academy of Dermatology's Minority Medical Student Mentor Program
- F. Ad hoc manuscript reviewer, Journal of Cutaneous Pathology.
- G. Ad hoc manuscript reviewer, The American Journal of Dermatopathology.
- H. Ad hoc manuscript reviewer, Journal of the American Academy of Dermatology.
- I. Ad hoc manuscript reviewer, Archives of Dermatology.
- J. Ad hoc manuscript reviewer, Dermatologic Surgery
- K. Ad hoc manuscript reviewer: Photodermatology, Photoimmunology and Photomedicine.

V. OTHER RELEVANT ACTIVITIES:

INVITED LECTURES/SEMINARS:

- 1. Basic Self-Assessment in Dermatopathology, American Academy of Dermatology Annual Meeting, Washington, DC, March, 2001.

VI. PUBLICATIONS:

ARTICLES PUBLISHED OR ACCEPTED FOR PUBLICATION IN REFEREED JOURNALS:

- 1. Bowen GM, Chang A, Lowe L, Hamilton T, Patel R, Johnson TM: Solitary melanoma confined to the dermal/subcutaneous tissue: evidence for revisiting the staging classification. Arch Dermatol 136:1397-1399, 2000.
- 2. Quin J, Lowe L, Mertz M: The effect of a new tissue-adhesive wound dressing on the healing of traumatic abrasions. Dermatol 201:343-346, 2000.
- 3. Johnson TM, Yahanda AM, Sondak VK, Cimmino V, Lowe L: Melanoma: Role of lymphatic mapping and sentinel nodal biopsy. Curr Probl in Dermatol 13:119-122, 2001.

4. Anderson KW, Lowe L, Su LD, Baker SR, Johnson TM: A staged excision approach for lentigo maligna and lentigo maligna melanoma of the head and neck: The “square” procedure. Arch Facial Plast Surg (in press).
5. Su LD, Lowe L, Bradford CR, Johnson TM, Yahanda AI, Sondak VK: Immunostaining for cytokeratin 20 improves detection of micrometastatic Merkel cell carcinoma in sentinel lymph nodes. J Am Acad Dermatol (in press).
6. Guitart J, Lowe L, Piepkorn M, Prieto VG, Rabkin MS, Ronan SG, Shea CR, Tron VA, White W, Barnhill RL: Histologic characteristics of thin metastasizing melanomas: A case-control study of 43 cases. Arch Dermatol (in press).
7. Altman JF, Lowe L, Redman B, Esper P, Schwartz JL, Johnson TM, Haefner HK: Placental metastasis of maternal melanoma. J Am Acad Dermatol (in press).
8. Fader DJ, Lowe L: Concomitant CO₂ and hair laser ablation for the treatment of in situ squamous cell carcinomas. Dermatol Surg (in press).

BOOKS/CHAPTERS IN BOOKS:

1. Lowe, L.: Deposition Disorders: Fitzpatrick, J.E., Aeling, J. (eds): Secrets of Dermatology (Philadelphia, PA: Hanley and Belfus, Inc., 2nd edition, 2001), pp 106-111.

ABSTRACTS, BOOK REVIEWS, PRELIMINARY COMMUNICATIONS, PANEL DISCUSSIONS:

1. Grover, A.C., Moon, J., Chang, A.F., Johnson, T.M., Sondak, V.K., Cimmino, V.M., Lowe, L., Taylor, J.M.G., Yahanda, A.M.: Histological and clinical factors associated with positive sentinel lymph nodes in melanoma. Frederick A. Collier Surgical Society Annual Meeting, Ann Arbor, MI, October, 2000.
2. Ratner D, Lowe L, Johnson TM, Fader DJ: Perineural spread of basal cell carcinomas treated with Mohs. American Society for Dermatologic Surgery – American College of Mohs Micrographic Surgery and Cutaneous Oncology Combined Meeting, November, 2000.
3. Sheng H, Goich S, Wang A, Lowe L, Sasaki H, Dlugosz A: Induction of multiple types of skin tumors in mice overexpressing an activated Gli2 mutant. Society for Investigative Dermatology Annual Meeting, May, 2001.