

SHASHI BAKSH MBBS, MD, FCAP, FASDP



Board Certified, Dermatopathology

Board Certified, Anatomic and Clinical Pathology

Dermatopathology Fellowship

University of Pittsburgh, Presbyterian Hospital

Pathology Resident

University of Pittsburgh, Presbyterian Hospital – PGY4

Eastern Virginia Med School –PGY1-3

QUALIFICATIONS:

Certification in Dermatopathology, American Boards of Pathology and Dermatology *November 2000.*

Certification in Anatomic and Clinical Pathology, American Board of Pathology, *November 1999.*

U.S.M.L.E. Steps I, II, III, *1993, 1994, 1998.*

Bachelor of Medicine & Bachelor of Surgery (M.B.,B.S), University of the West Indies, *July 1990.*

CURRENT EXPERIENCE

Co-Founder and President, Director of Dermatopathology,

Pennsylvania Specialty Pathology, Lancaster, PA, *December 2007 - present.*

First physician-owned independent pathology laboratory in Southcentral PA.

Providing general anatomic pathology/cytology and subspecialty pathology services.

- ◆ 25,000 surgical specimens.
- ◆ Mobile frozen sections
- ◆ Extensive immunohistochemical stain library
- ◆ Manage 25 employees including courier service
- ◆ Oversee daily laboratory operations and quality metrics

Director of Laboratory

Berks Plastic Surgery, Reading, PA, *June 2011 – present.*

- ◆ Established in-office laboratory for plastic surgery group
- ◆ Provide professional pathology services and maintain laboratory quality

Academic Activities

- ◆ Moderator and Editor, DermPathPRO - An international professional educational dermatopathology website accredited by the British Academy of Dermatology (www.dermathpro.com).
- ◆ Research Participant, Reducing Errors in Melanocytic Interpretations Program, 2019- National Cancer Institute funded multi-institutional study (Piepkorn, Barnhill, Elder - lead investigators).

Licensure

Pennsylvania State Board of Medicine (active unrestricted license)

Maryland Board of Medicine (active unrestricted license)

Iowa State Board of Medicine (inactive)

AWARDS:

- ◆ United States and Canadian Academy of Pathology, Stowell-Orbison Award for Pathologists-in-Training, *March 2000*.
 - One of four co-equal winners out of 185 presentations internationally. ○ One of the earliest researchers to utilize microdissection based molecular analysis of tumors.
 - **Ariyanayagam-Baksh SM**, Baksh FK, Abernethy J, Siva R, Cong WM, Swalsky PA, Bakker A, Woods J, Rao UN, Finkelstein SD. Clonal evolution of primary and metastatic malignant melanoma.
- ◆ University of Pittsburgh School of Medicine, Department of Pathology, 1st place, World Wide Web case of the quarter, 2000. **Ariyanayagam-Baksh SM**, Abernethy J. Necrotizing granulomatous dermatitis secondary to *Scedosporium Apiospermum*. (<http://path.upmc.edu/cases/case219.html>)
- ◆ American College of Surgeons, Virginia Chapter, 1st Place Clinical - 3rd Annual Resident Cancer Paper Competition, *November 1998*. Minghini A, Baksh FK, **Ariyanayagam-Baksh SM**, Dorner C, Hellman BH, Perry RR. Ki-67 expression and bcl-2 expression as prognostic factors in gastrointestinal stromal tumors.

PREVIOUS EXPERIENCE:

Staff Pathologist / Director of Dermatopathology,

Lancaster General Hospital, Lancaster, PA, *October 2002 – Nov 2007*.

- ◆ Director of dermatopathology ○ Dermatopathology consultation service ○ Standardized handling of dermatopathology specimens ○ Instituted melanoma sentinel lymph node protocol.
- ◆ General pathology ○ 38,600 diverse surgical pathology specimens annually (8.9 FTE pathologists) ○ 6000 plus dermatopathology ○ Active frozen section service
- ◆ Cytopathology ○ 34,500 *Thin Preps*; 6,800 conventional pap smears ○ 3,225 non-gynecologic cytology specimens
- ◆ Clinical pathology coverage including therapeutic plasmapheresis procedures.

Consultant Pathologist, Diagnostic Medlab Services Ltd, Auckland, New Zealand, December 2000 – March 2002.

- ◆ Dermatopathology consultation service
 - 40,000 skin specimens annually (substantial number of melanocytic lesions) ○ Direct immunofluorescence interpretation.
- ◆ General pathology ○ 84,000 surgical specimens annually
 - Largest pathology practice in New Zealand serving numerous hospitals, specialists, and general practitioners.
 - Active frozen section service
- ◆ Cytopathology ○ 150,000 cytology specimens annually ○ Fine needle aspiration service (pathologist performed).
- ◆ Pathology registrar teaching

Consultant Pathologist, Northland Pathology Laboratory and Whangarei Area Hospital, Whangarei, New Zealand, July 2000 – November 2000.

- ◆ 10,000 surgical specimens, 1,500 non-gyn cytology specimens
- ◆ 150 autopsies – hospital and forensic
- ◆ Active clinical laboratory service

PATHOLOGY TRAINING:

Dermatopathology Fellow, University of Pittsburgh Medical Center, Pittsburgh, PA., July 1999–June 2000.

- ◆ Research in molecular evolution of malignant melanoma.
- ◆ Stowell-Orbison Award for Pathologists-in-training (USCAP) for melanoma research.

Pathology Resident

University of Pittsburgh Medical Center, Pittsburgh, PA, July 1998–June 1999. Eastern Virginia Medical School, Norfolk, VA, July 1995 - June 1998.

MEDICAL EDUCATION:

Bachelor of Medicine & Bachelor of Surgery (M.B.,B.S), University of the West Indies, July 1990. Largest and most prestigious medical school in the Caribbean, with highly competitive standards for admission, and exams overseen by British external examiners.

TEACHING ACTIVITIES:

- ◆ Pathology Registrar teaching – Auckland Public Hospital, 2001
- ◆ Short course on optimal dermatopathology specimens for different neoplastic and inflammatory processes with discussion of margin assessment and prognostic factors for melanocytic and non-melanocytic tumors: Presented to family practitioners – Auckland, New Zealand, 2001
- ◆ Lecture on invisible dermatoses- Pathology residents, University of Pittsburgh Medical Center, February 2000.

- ◆ Female reproductive tract PBL instructor – 2nd yr. medical students, University of Pittsburgh Medical Center, *January 1999*.
- ◆ Renal pathology PBL instructor – 2nd yr. medical students, University of Pittsburgh Medical Center, *November 1998*.

ADDITIONAL POST GRADUATE MEDICAL EXPERIENCE

Research Fellow, Commonwealth Caribbean Medical Research Council and King's College, London, *May 1993 - April 1994*. Actively recruited for this position as one of two research fellows while working as staff physician in the endocrinology department.

House Officer, Port-of-Spain General Hospital, Trinidad, West Indies, *January 1992 - April 1993*

- ◆ Including 6 months in the Dermatology department.

Medical Intern, Mt. Hope Women's Hospital and Port-of-Spain General Hospital, *July 1990 - December 1991*

PROFESSIONAL MEMBERSHIPS:

- 1) Fellow – American Society for Dermatopathology.
- 2) Member – International Society for Dermatopathology.
- 3) Fellow - College of American Pathologists.
- 4) Fellow - American Society for Clinical Pathology.
- 5) Member – United States and Canadian Academy of Pathology.
- 6) Member - International Academy of Pathology.
- 7) Member – Pennsylvania Medical Society.
- 8) Member – Pennsylvania Association of Pathologists.
- 9) Member – Lancaster County Medical Society.
- 11) Member and Shareholder - Medical Group of Pennsylvania.

PUBLICATIONS

1. Doyle Leona, Sperling Leonard, **Baksh SM**, Lackey Jeffrey, Thomas Brian, Vleugels Ruth Ann, Qureshi Abrar, Velazquez Elsa. Psoriatic Alopecia/Alopecia Areata-Like Reactions Secondary to Anti-Tumor Necrosis Factor- α Therapy: A Novel Cause of Noncicatricial Alopecia. *Am J Dermatopathol* 2011;33:161-6.
2. **Ariyanayagam-Baksh SM**, Addis CT, Baksh FK. Anemia and hyperbilirubinemia – more than just hemolysis. A clinicopathologic case study. *J Lanc Gen Hosp* 2007;2:131-5.
3. O'Connor JP, **Ariyanayagam-Baksh SM**, Carroll LE. Nephrogenic systemic fibrosis – a clinical and pathologic perspective. *J Lanc Gen Hosp* 2007;2:122-5.
4. **Ariyanayagam-Baksh SM**, Sieber P, Cartun R, Baksh FK. Histoplasma posthitis – an uncommon presentation of a not uncommon pathogen. *Am J Dermatopathol* 2007; 29:300-2.

5. Baksh FK, Finkelstein SD, **Ariyanayagam-Baksh SM**, Swalsky PA, Klein EC, Dunn JC. Absence of *Mycobacterium avium* subsp. *paratuberculosis* in the microdissected granulomas of Crohn's disease *Mod Pathol* 2004;17:1289-94.
6. **Ariyanayagam-Baksh SM**, Baksh FK, Swalsky PA, Finkelstein SD. Loss of heterozygosity in the MXII gene is a frequent occurrence in melanoma. *Mod Pathol* 2003;16:992-995.
7. **Ariyanayagam-Baksh SM**, Baksh FK, Finkelstein SD, Swalsky PA, Abernethy J, Barnes EL. Malignant blue nevus – a case report with molecular analysis. *Am J Dermatopathol* 2003;25:2127.
8. Kusne S, **Ariyanayagam-Baksh S**, Strollo DC, Abernethy J. Invasive *Scedosporium apiospermum* infection in a heart transplant recipient presenting with multiple skin nodules and a pulmonary consolidation. *Transpl Infect Dis.* 2000; 2:194-196.
9. Baksh FK, **Ariyanayagam-Baksh SM**, McNeill S, Tahhan RH. Cryocrystalglobulinemia manifesting as an inflammatory polyarthropathy. *ASCP Molecular Diagnostics and Immunopathology Check Sample*, MD98-2 (MDI-6). Chicago, Ill: American Society of Clinical Pathologists; 1998.
10. Gulliford MC, **Ariyanayagam-Baksh SM**, Bickram L, Picou DI, Mahabir D. Social environment, morbidity and use of health care among people with diabetes mellitus in Trinidad. *Int J Epidemiol* 1997; 26: 620-7.
11. Gulliford MC, Alert CV, Mahabir D, **Ariyanayagam-Baksh SM**, Fraser HS, Picou DI. Diabetes care in middle income countries: a Caribbean case study. *Diabetic Med* 1996; 13: 57481.
12. Gulliford MC, **Ariyanayagam-Baksh SM**, Bickram L, Picou DI, Mahabir D. Counting the cost of diabetic hospital admissions from a multi-ethnic population in Trinidad. *Diabetic Med* 1995; 12: 1077-85.

PUBLISHED ABSTRACTS

1. **Ariyanayagam-Baksh SM**, Baksh FK, Barnes L, Abernethy J, Siva R, Cong WM, Swalsky PA, Bakker A, Woods J, Finkelstein SD. Molecular pathogenesis of malignant blue nevus is unrelated to malignant melanoma. **Platform presentation** at The United States and Canadian Academy of Pathology 89th Annual Meeting, New Orleans, LA, March 2000. *Mod Pathol* 2000;13:60A.
2. **Ariyanayagam-Baksh SM**, Baksh FK, Abernethy J, Siva R, Cong WM, Swalsky PA, Bakker A, Woods J, Rao UN, Finkelstein SD. Clonal evolution of primary and metastatic malignant melanoma. The United States and Canadian Academy of Pathology 89th Annual Meeting, New Orleans, LA, March 2000. *Mod Pathol* 2000;13:60A.
3. Rao UN, **Ariyanayagam-Baksh SM**, Baksh FK, Abernethy J, Siva R, Cong WM, Swalsky PA, Bakker A, Woods J, Finkelstein SD. Role of molecular genotyping in the diagnosis and predictive analysis of Spitz nevus. The United States and Canadian Academy of Pathology 89th Annual Meeting, New Orleans, LA, March 2000. *Mod Pathol* 2000;13:66A.
4. Gulliford MC, **Ariyanayagam-Baksh SM**, Bickram L, Picou DI, Mahabir D. Social inequalities in health status and care practices among patients with diabetes mellitus in Trinidad and Tobago. The Society for Social Medicine. 39th Annual Meeting, Royal

- Holloway, Egham, England, September 1995. *J Epidemiol Comm Health* 1995;49 (suppl 2):6.
5. Picou DI, **Ariyanayagam-Baksh SM**, Bickram L, Mahabir D, Gulliford MC. Social inequalities in health status and care practices among patients admitted to hospital with diabetes mellitus in Trinidad. Commonwealth Caribbean Medical Research Council. 40th Annual Scientific Meeting, Bridgetown, Barbados, April 1995. *West Ind Med J* 1995;44(suppl 2):14.
 6. Gulliford MC, **Ariyanayagam-Baksh SM**, Bickram L, Picou DI, Mahabir D. Counting the cost of diabetic hospital admissions in north Trinidad. Commonwealth Caribbean Medical Research Council. 40th Annual Scientific Meeting, Bridgetown, Barbados, April 1995. *West Ind Med J* 1995;44(suppl 2):14.
 7. Gulliford MC, **Ariyanayagam-Baksh SM**, Bickram L, Picou DI, Mahabir D. Measuring health outcomes of diabetes mellitus: admissions at Port-of-Spain General Hospital. Trinidad and Tobago Medical Research Council. 2nd Annual Meeting, Port-of-Spain, Trinidad, November 1994. *Carib Med J* 1994;55 (suppl 1):9.
 8. Gulliford MC, **Ariyanayagam-Baksh SM**, Picou DI, Mahabir D. Quality care for diabetes mellitus in Trinidad and Tobago. Trinidad and Tobago Medical Research Council. 2nd Annual Meeting, Port-of- Spain, Trinidad, November 1994. *Carib Med J* 1994;55 (suppl 1):10.
 9. Gulliford MC, Alert CV, **Ariyanayagam-Baksh SM**, Mahabir D, Fraser HS, Picou DI. Intermediate outcomes of primary care for diabetes mellitus: a comparison of public and private practice in three Caribbean countries. Commonwealth Caribbean Medical Research Council. 39th Annual Scientific Meeting, Kingston, Jamaica, April 1994. *West Ind. Med. J.* 1994;43(suppl. 1):28.
 10. Mahabir D, **Ariyanayagam-Baksh SM**, Picou DI, Gulliford MC. Quality of diabetes care in Trinidad and Tobago: surveillance for risk factors and complications. Commonwealth Caribbean Medical Research Council. 39th Annual Scientific Meeting, Kingston, Jamaica, April 1994. *West Ind. Med. J.* 1994;43(suppl. 1):28.
 11. Fraser HS, Alert CV, **Ariyanayagam-Baksh SM**, Mahabir D, Picou DI, Gulliford MC. Drug prescribing for diabetes mellitus in primary care: a comparison of public and private practice in three Caribbean countries. Commonwealth Caribbean Medical Research Council. 39th Annual Scientific Meeting, Kingston, Jamaica, April 1994. *West Ind. Med. J.* 1994;43 (suppl. 1):29.

INTERNET

1. **Ariyanayagam-Baksh SM**, Abernethy J. Necrotizing granulomatous dermatitis secondary to *Scedosporium Apiospermum*. University of Pittsburgh School of Medicine, Department of Pathology Web site, Anatomic pathology case of the month, January 2000. (<http://path.upmc.edu/cases/case219.html>)
2. **Ariyanayagam-Baksh SM**. Idiopathic giant cell myocarditis. University of Pittsburgh School of Medicine, Department of Pathology Web site, Anatomic pathology case of the month, December 1998. (<http://path.upmc.edu/cases/case175.html>)

SCIENTIFIC PRESENTATIONS

1. American Society for Clinical Pathology. Annual Meeting, Sept 2024, Chicago IL. Baksh D, **Ariyanayagam SM**. P53 Abnormal Endometrial Cancers – Analysis of PD-1 Co-expression by CD4 Helper and CD8 Cytotoxic T-cell Subtypes in the Tumor Microenvironment.
2. The Virginia Society of Hematology / Oncology. 35th Annual Meeting, June 1998, Virginia Beach, Virginia.
 - a. **Ariyanayagam-Baksh SM**, Baksh FK, Tahhan HRT. Cryocryoglobulinemia masking as an inflammatory arthropathy.
 - b. **Ariyanayagam-Baksh SM**, Aguiar MA. Childhood erythroleukemia: report of a case in a ten year old child. Baksh FK,
 - c. **Ariyanayagam-Baksh SM**, Hellman Jr. BH. Bcl-2 and CD34 expression in gastrointestinal stromal tumors.
3. Eastern Virginia Medical School. Residents' Day Scientific Forum 1998. Minghini A, Baksh FK, **Ariyanayagam-Baksh SM**, Dorner C, Hellman Jr. BH, Perry R. Ki67 and bcl-2 expression as prognostic factors in gastrointestinal stromal tumors.
4. The Virginia Society of Hematology / Oncology. 34th Annual Meeting, June 1997, Virginia Beach, Virginia. **Ariyanayagam-Baksh SM**, Aguiar MA, Werner A. Follicular lymphoma in a pediatric patient.
5. Centers for Disease Control and Prevention. 9th National Conference on Chronic Disease Prevention and Control, December 1994, Atlanta, Georgia. Mahabir D, **AriyanayagamBaksh SM**, Picou DI, Gulliford MC. Evaluating government and private health care for diabetes mellitus in Trinidad and Tobago, West Indies.
6. Dominican Republic Diabetes Society. 1st Congress, October 1994; Santo Domingo, Dominican Republic. 6. Mahabir D, **Ariyanayagam-Baksh SM**, Picou DI, Gulliford MC. Evaluating quality of care for diabetes mellitus in Trinidad and Tobago.