

The Dysplastic Nevus
Dermatopathology then and now – Have we travelled?

Mark A. Hurt, MD

Cutaneous Pathology

St. Louis, MO

March 2, 2014, USCAP, Companion Meeting

Dermatopathology

References: In lecture sequence

Allen AC. Nevi and Malignant Melanomas. In: The Skin. A Clinicopathologic treatise. St. Louis: CV Mosby Co. 1954; pp 840-841.

Aristotle: Law of Non-Contradiction applied to metaphysics. In McKeon R. The Basic Works of Aristotle. New York: Random House. 1941 (37th printing); P736 (1005; Line 18-20).

Aristotle: Law of Non-Contradiction applied to logic. In McKeon R. The Basic Works of Aristotle. New York: Random House. 1941 (37th printing); P749 (1011; Line 12-13).

Rand A. *Atlas Shrugged*. New York: Random House, 1957; 199. (on contradictions)

Rand A. *Atlas Shrugged*. New York: Random House, 1957; 1016 (on contradictions)

Goldstein AM, Tucker MA. Dysplastic nevi and melanoma. *Cancer Epidemiol Biomarkers Prev.* 2013 Apr;22(4):528-32. doi: 10.1158/1055-9965.EPI-12-1346. Review. PubMed PMID: 23549396; PubMed Central PMCID: PMC3616416.

Hurt MA. The melanocytic nevus described by Clark et al. What is its nature? What should it be named? An answer from history and from logic. *J Cutan Pathol.* 2005 Aug;32(7):457-60. PubMed PMID: 16008688.

Clark WH Jr, Reimer RR, Greene M, Ainsworth AM, Mastrangelo MJ. Origin of familial malignant melanomas from heritable melanocytic lesions. 'The B-K mole syndrome'. *Arch Dermatol* 1978 May;114(5):732-8. PubMed PMID: 646394.

Ainsworth AM, Folberg R, Reed RJ, Clark Jr WH. Melanocytic nevi, melanocytomas, melanocytic dysplasia, and uncommon forms of melanoma (Chapter 8). In: Clark Jr. WH, Goldman LI, Mastrangelo MJ. *Human Malignant Melanoma*. New York: Grune & Stratton; 1979:167-208 (page 188 and Figures 8-23 & 8-24)

Greene MH, Clark WH Jr, Tucker MA, Elder DE, Kraemer KH, Fraser MC, Bondi EE, Guerry D, Tuthill R, Hamilton R, LaRossa D. Precursor naevi in cutaneous malignant melanoma: a proposed nomenclature. *Lancet.* 1980 Nov 8;2(8202):1024. PubMed PMID: 6107646.

Nollet DJ. "Clark's nevus syndrome". *Am J Dermatopathol.* 1986 Aug;8(4):367. PubMed PMID: 3766929.

Ackerman AB. What naevus is dysplastic, a syndrome and the commonest precursor of malignant melanoma? A riddle and an answer. *Histopathology.* 1988 Sep;13(3):241-56. Review. PubMed PMID: 3056824.

Clark WH Jr, Ackerman AB. An exchange of views regarding the dysplastic nevus controversy. *Semin Dermatol* 1989 Dec;8(4):229-50. Review. PubMed PMID: 2701712.

Kopf AW, Friedman RJ, Rigel DS. Atypical mole syndrome. J Am Acad Dermatol. 1990 Jan;22(1):117-8. PubMed PMID: 2298947.

Diagnosis and treatment of early melanoma. Consensus Statement. NIH Consensus Development Conference, January 27-29, 1992; Volume 10, #1 (page 13, 14, 20)

Norris W. Case of fungoid disease. Edinburgh Med Surg J 1820; 16:562-565

Cawley EP, Kruse WT, Pinkus HK. Genetic aspects of malignant melanoma. AMA Arch Dermatol Syphilol 1952; 65:440-450.

Elder DE, Goldman LI, Goldman SC, Greene MH, Clark WH Jr. Dysplastic nevus syndrome: a phenotypic association of sporadic cutaneous melanoma. Cancer. 1980 Oct 15;46(8):1787-94. PubMed PMID: 7427881.

Clark WH Jr, Elder DE, Guerry D IV, Epstein MN, Greene MH, Van Horn M. A study of tumor progression: the precursor lesions of superficial spreading and nodular melanoma. Hum Pathol. 1984 Dec;15(12):1147-65. PubMed PMID: 6500548.

Sagebiel RW. Histopathology of precursor melanocytic lesions. Am J Surg Pathol 1985; 9(3) Supplement 41-52.

Piepkorn M, Meyer LJ, Goldgar D, Seuchter SA, Cannon-Albright LA, Skolnick MH, Zone JJ. The dysplastic melanocytic nevus: a prevalent lesion that correlates poorly with clinical phenotype. J Am Acad Dermatol. 1989 Mar;20(3):407-15. PubMed PMID: 2918113.

Pozo L, Naase M, Cerio R, Blanes A, Diaz-Cano SJ. Critical analysis of histologic criteria for grading atypical (dysplastic) melanocytic nevi. Am J Clin Pathol. 2001 Feb;115(2):194-204. PubMed PMID: 11211607.

Elder DE. Dysplastic naevi: an update. *Histopathology*. 2010 Jan;56(1):112-20. Doi: 10.1111/j.1365-2559.2009.03450.x. Review. PubMed PMID: 20055909.

Barnhill RL, Cerroni L, Cook M, Elder DE, Kerl H, LeBoit PE, McCarthy SW, Mihm MC, Mooi WJ, Piepkorn MW, Prieto VG, Scolyer RA. State of the art, nomenclature, and points of consensus and controversy concerning benign melanocytic lesions: outcome of an international workshop. *Adv Anat Pathol*. 2010 Mar;17(2):73-90. Doi:10.1097/PAP.0b013e3181cfe758. PubMed PMID: 20179431.

Ackerman AB, Massi D, Nielsen TA. *Dysplastic Nevus. Atypical more or typical myth?* Philadelphia: Ardor Scribendi; 1999; 429pp.

Duffy K, Grossman D. The dysplastic nevus: from historical perspective to management in the modern era: part I. Historical, histologic, and clinical aspects. *J Am Acad Dermatol*. 2012 Jul;67(1):1.e1-16; quiz 17-8. Doi: 10.1016/j.jaad.2012.02.047. PubMed PMID: 22703915; PubMed Central PMCID: PMC3625372.

Duffy K, Grossman D. The dysplastic nevus: from historical perspective to management in the modern era: part II. Molecular aspects and clinical management. *J Am Acad Dermatol*. 2012 Jul;67(1):19.e1-12; quiz 31-2. Doi: 10.1016/j.jaad.2012.03.013. PubMed PMID: 22703916; PubMed Central PMCID: PMC3621132.

Hocker TL, Alikhan A, Comfere NI, Peters MS. Favorable long-term outcomes in patients with histologically dysplastic nevi that approach a specimen border. *J Am Acad Dermatol*. 2013 Apr;68(4):545-51. Doi: 10.1016/j.jaad.2012.09.031. Epub 2012 Nov 3. PubMed PMID: 23127472.

Comfere NI, Chakraborty R, Peters MS. Margin comments in dermatopathology reports on dysplastic nevi influence re-excision rates. *J Am Acad Dermatol*. 2013 Nov;69(5):687-92. Doi: 10.1016/j.jaad.2013.06.026. Epub 2013 Aug 6. PubMed PMID: 23932648.

References: Alphabetized

Ackerman AB. What naevus is dysplastic, a syndrome and the commonest precursor of malignant melanoma? A riddle and an answer. *Histopathology*. 1988 Sep;13(3):241-56. Review. PubMed PMID: 3056824.

Ackerman AB, Massi D, Nielsen TA. *Dysplastic Nevus. Atypical more or typical myth?* Philadelphia: Ardor Scribendi; 1999; 429pp.

Ainsworth AM, Folberg R, Reed RJ, Clark Jr WH. Melanocytic nevi, melanocytomas, melanocytic dysplasia, and uncommon forms of melanoma (Chapter 8). In: Clark Jr. WH, Goldman LI, Mastrangelo MJ. *Human Malignant Melanoma*. New York: Grune & Stratton; 1979:167-208 (page 188 and Figures 8-23 & 8-24)

Allen AC. Nevi and Malignant Melanomas. In: *The Skin. A Clinicopathologic treatise*. St. Louis: CV Mosby Co. 1954; pp 840-841.

Aristotle: Law of Non-Contradiction applied to logic. In McKeon R. *The Basic Works of Aristotle*. New York: Random House. 1941 (37th printing); P749 (1011; Line 12-13).

Aristotle: Law of Non-Contradiction applied to metaphysics. In McKeon R. *The Basic Works of Aristotle*. New York: Random House. 1941 (37th printing); P736 (1005; Line 18-20).

Barnhill RL, Cerroni L, Cook M, Elder DE, Kerl H, LeBoit PE, McCarthy SW, Mihm MC, Mooi WJ, Piepkorn MW, Prieto VG, Scolyer RA. State of the art, nomenclature, and points of consensus and controversy concerning benign melanocytic lesions: outcome of an international workshop. *Adv Anat Pathol*. 2010 Mar;17(2):73-90. doi:10.1097/PAP.0b013e3181cfe758. PubMed PMID: 20179431.

Cawley EP, Kruse WT, Pinkus HK. Genetic aspects of malignant melanoma. AMA Arch Dermatol Syphilol 1952; 65:440-450.

Clark WH Jr, Ackerman AB. An exchange of views regarding the dysplastic nevus controversy. Semin Dermatol 1989 Dec;8(4):229-50. Review. PubMed PMID: 2701712.

Clark WH Jr, Elder DE, Guerry D IV, Epstein MN, Greene MH, Van Horn M. A study of tumor progression: the precursor lesions of superficial spreading and nodular melanoma. Hum Pathol. 1984 Dec;15(12):1147-65. PubMed PMID: 6500548.

Clark WH Jr, Reimer RR, Greene M, Ainsworth AM, Mastrangelo MJ. Origin of familial malignant melanomas from heritable melanocytic lesions. 'The B-K mole syndrome'. Arch Dermatol 1978 May;114(5):732-8. PubMed PMID: 646394.

Comfere NI, Chakraborty R, Peters MS. Margin comments in dermatopathology reports on dysplastic nevi influence re-excision rates. J Am Acad Dermatol. 2013 Nov;69(5):687-92. doi: 10.1016/j.jaad.2013.06.026. Epub 2013 Aug 6. PubMed PMID: 23932648.

Diagnosis and treatment of early melanoma. Consensus Statement. NIH Consensus Development Conference, January 27-29, 1992; Volume 10, #1 (page 13, 14, 20)

Duffy K, Grossman D. The dysplastic nevus: from historical perspective to management in the modern era: part I. Historical, histologic, and clinical aspects. J Am Acad Dermatol. 2012 Jul;67(1):1.e1-16; quiz 17-8. doi: 10.1016/j.jaad.2012.02.047. PubMed PMID: 22703915; PubMed Central PMCID: PMC3625372.

Duffy K, Grossman D. The dysplastic nevus: from historical perspective to management in the modern era: part II. Molecular aspects and clinical management. J Am Acad Dermatol. 2012 Jul;67(1):19.e1-12; quiz 31-2. doi: 10.1016/j.jaad.2012.03.013. PubMed PMID: 22703916; PubMed Central PMCID: PMC3621132.

Elder DE, Goldman LI, Goldman SC, Greene MH, Clark WH Jr. Dysplastic nevus syndrome: a phenotypic association of sporadic cutaneous melanoma. *Cancer*. 1980 Oct 15;46(8):1787-94. PubMed PMID: 7427881.

Elder DE. Dysplastic naevi: an update. *Histopathology*. 2010 Jan;56(1):112-20. doi: 10.1111/j.1365-2559.2009.03450.x. Review. PubMed PMID: 20055909.

Goldstein AM, Tucker MA. Dysplastic nevi and melanoma. *Cancer Epidemiol Biomarkers Prev*. 2013 Apr;22(4):528-32. doi: 10.1158/1055-9965.EPI-12-1346. Review. PubMed PMID: 23549396; PubMed Central PMCID: PMC3616416.

Greene MH, Clark WH Jr, Tucker MA, Elder DE, Kraemer KH, Fraser MC, Bondi EE, Guerry D, Tuthill R, Hamilton R, LaRossa D. Precursor naevi in cutaneous malignant melanoma: a proposed nomenclature. *Lancet*. 1980 Nov 8;2(8202):1024. PubMed PMID: 6107646.

Hocker TL, Alikhan A, Comfere NI, Peters MS. Favorable long-term outcomes in patients with histologically dysplastic nevi that approach a specimen border. *J Am Acad Dermatol*. 2013 Apr;68(4):545-51. doi: 10.1016/j.jaad.2012.09.031. Epub 2012 Nov 3. PubMed PMID: 23127472.

Hurt MA. The melanocytic nevus described by Clark et al. What is its nature? What should it be named? An answer from history and from logic. *J Cutan Pathol*. 2005 Aug;32(7):457-60. PubMed PMID: 16008688.

Kopf AW, Friedman RJ, Rigel DS. Atypical mole syndrome. *J Am Acad Dermatol*. 1990 Jan;22(1):117-8. PubMed PMID: 2298947.

Nollet DJ. "Clark's nevus syndrome". *Am J Dermatopathol*. 1986 Aug;8(4):367. PubMed PMID: 3766929.

Norris W. Case of fungoid disease. Edinburgh Med Surg J 1820; 16:562-565

Piepkorn M, Meyer LJ, Goldgar D, Seuchter SA, Cannon-Albright LA, Skolnick MH, Zone JJ. The dysplastic melanocytic nevus: a prevalent lesion that correlates poorly with clinical phenotype. J Am Acad Dermatol. 1989 Mar;20(3):407-15. PubMed PMID: 2918113.

Pozo L, Naase M, Cerio R, Blanes A, Diaz-Cano SJ. Critical analysis of histologic criteria for grading atypical (dysplastic) melanocytic nevi. Am J Clin Pathol. 2001 Feb;115(2):194-204. PubMed PMID: 11211607.

Rand A. *Atlas Shrugged*. New York: Random House, 1957; 1016 (on contradictions)

Rand A. *Atlas Shrugged*. New York: Random House, 1957; 199. (on contradictions)

Sagebiel RW. Histopathology of precursor melanocytic lesions. Am J Surg Pathol 1985; 9(3) Supplement 41-52.