Standardised Banff Scoring: A web-based approach

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Conflict of interest

Advisory board, speaker, research grant:
Alexion Pharmaceuticals

Disclaimer

This is about format and dissemination

Not about content of the Banff classification

Current Banff format and dissemination

Regular biannual updates since 1991

Peer-reviewed open access

Informed by evidence

13 updates so far

Example: Banff v

How is Banff v defined:

"mononuclear cell infiltration beneath the arterial endothelium" (Banff 2015)

What is an artery?

"continuous media with two or more smooth muscle layers" (Banff 2003)

What about ah*?

ah*=arteriolitis (Banff 1997)

Need

Central official Banff repository for the currently valid content

Beginner-friendly fashion

Accessible for everyone free of charge

The TNM staging system

Developed between 1943 and 1952 by P. Denoix

Adopted by the UICC and the AJCC

Merged for the 1987 edition

Book plus companion atlas are primary resource

List of all changes between editions provided
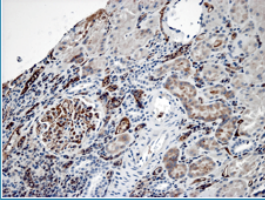
Sold as books with a discount for members

Website with FAQ list

Helpdesk staffed with experts, response time <24 h

Web-based approach

Goals/Proposal for Banff WG

Collation of all currently valid content from all Banff updates on the Banff website

Diagnosis calculator (based on algorithms) as apps for Android and iOS

Official Banff spreadsheet for research

Personal/institutional/registry accounts as data repository

Collation of currently valid Banff content

Search all Banff updates backwards

Minimal dataset

      Banff scores e.g. Banff v

      Additional diagnostic parameters e.g. "Acute TMA in the absence of any other cause"

Regulatory statutes/definitions

      e.g. "Artery"

Diagnostic algorithms categories 1-6

Only collate, never redefine

Power of definition brings great responsibility

Only faithful reproduction of Banff content

Content decided by Banff process

Only collate, never redefine

Website with definitions for minimal dataset and algorithms
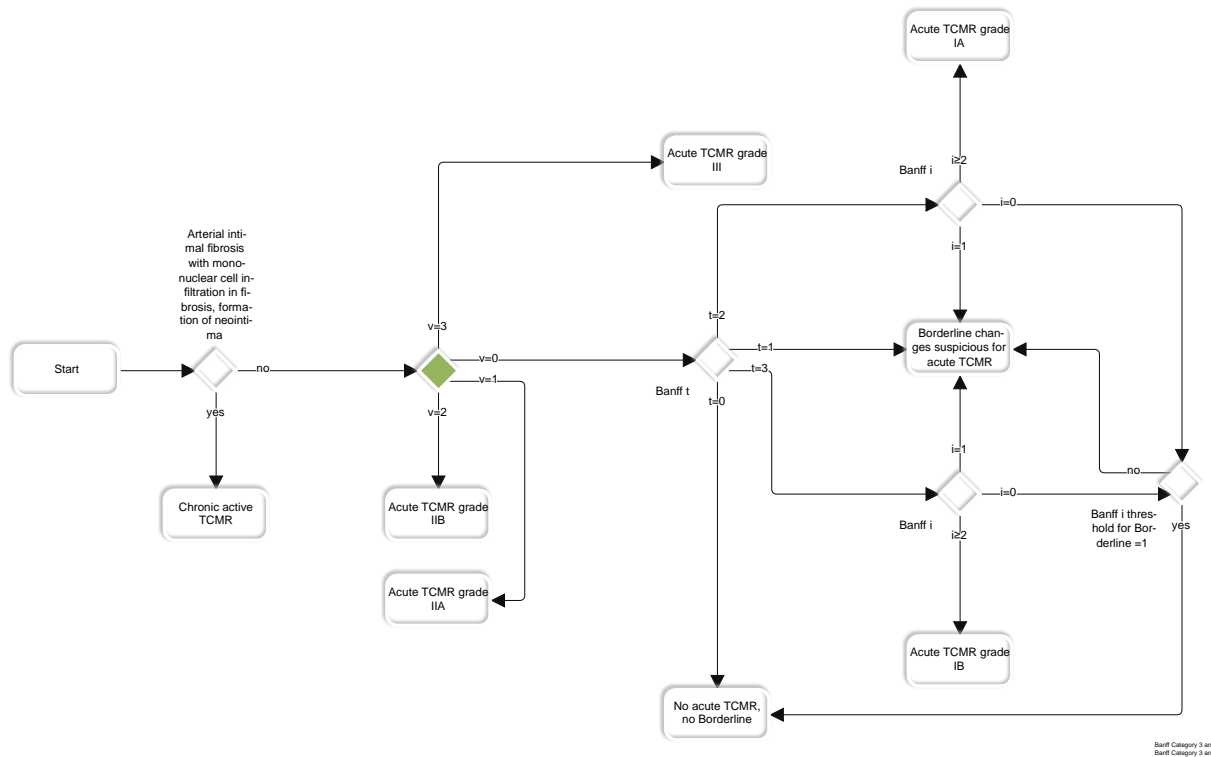
Written form with references

Flow charts

Exemplary micrographs

Training sets

Online diagnostic calculator

Entry of minimal dataset yields diagnostic categories 1-6

Diagnostic calculator app

For iOS and Android

Official Banff spreadsheet for research

Downloadable spreadsheet template for minimal dataset

Offline entry of data

Upload yields file with automated calculation of diagnostic categories 1-6

Personal/institutional/registry account

Data protection and encryption vital: Password protected

Pseudonymised cases

Statistics for individual lesions and diagnoses accessible only to account bearer

Personal access to benchmarking (comparisons to all peers)

Resources needed

About 1.5 programmer-years

Proper documentation mandatory for low-cost maintenance

Funding required for set-up, maintenance and update under supervision of Banff Foundation

Teamwork

Candice Roufosse, London

Marian Clahsen-van Groningen, Rotterdam

Marion Rabant, Paris

Naomi Simmonds, London

Kammi Henriksen, Chicago

Thank you!