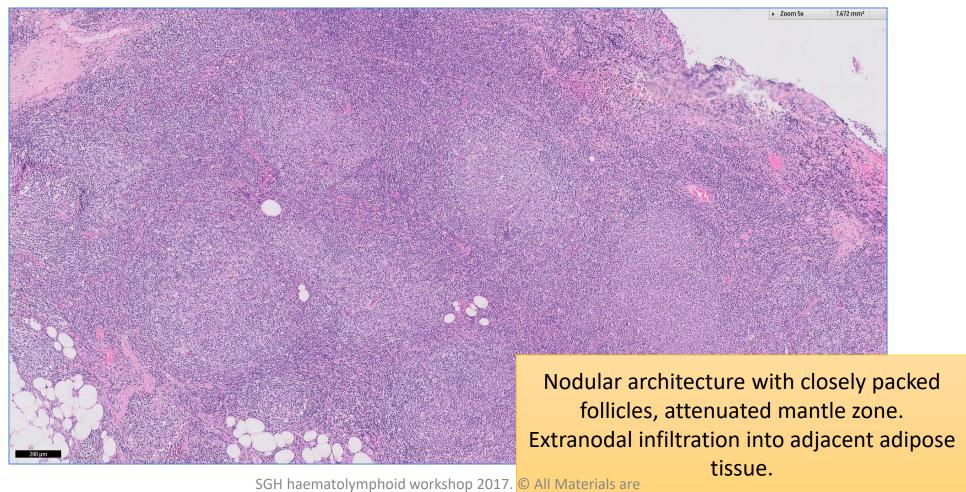
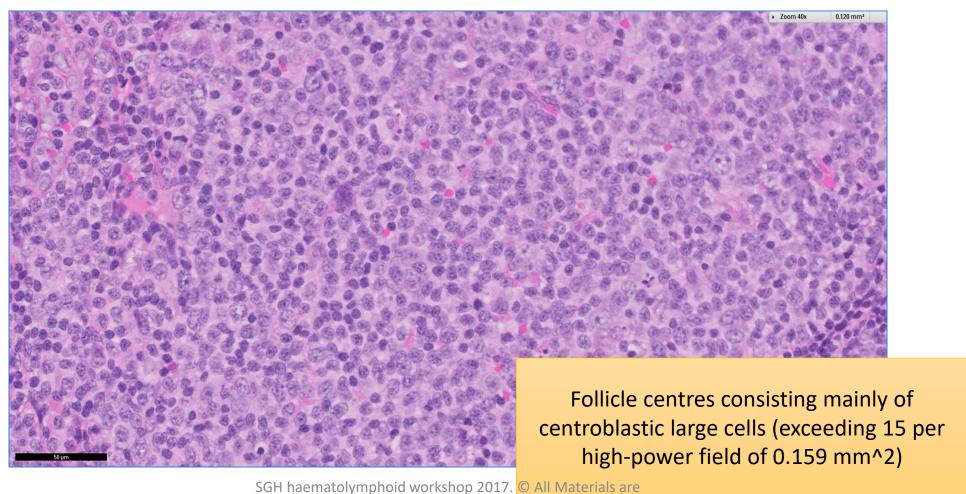
#### SGH CASE 11: 17RE117

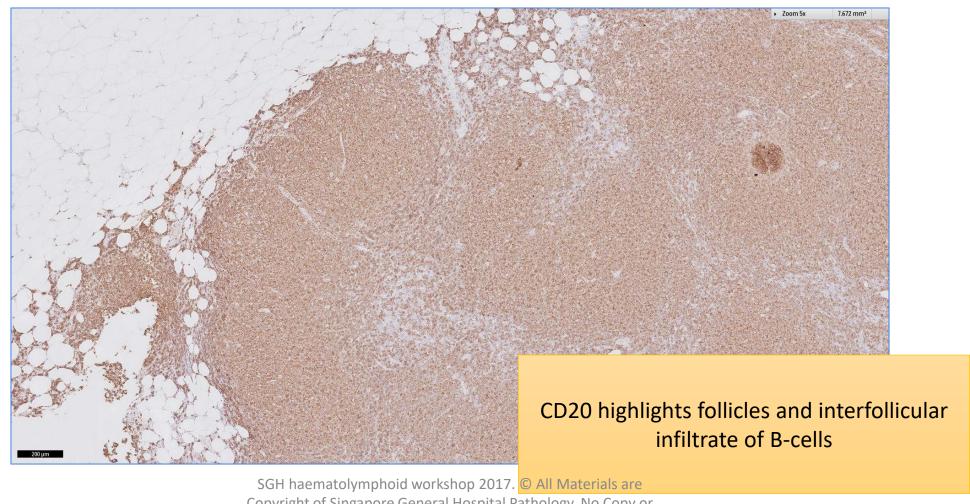
- Clinical History:
  - 60+ years old. Male. Right chest wall lump for one year with multiple areas of skin thickening with hyperpigmentation. Axillary lymphadenopathy.
- Specimen:
  - Right axillary lymph node incisional biopsy.

#### SGH CASE 11: 17RE117 H&E

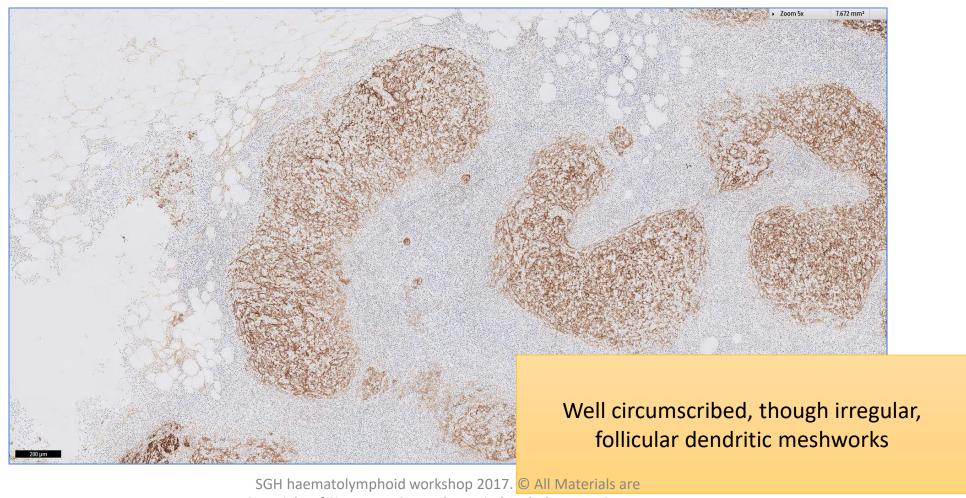


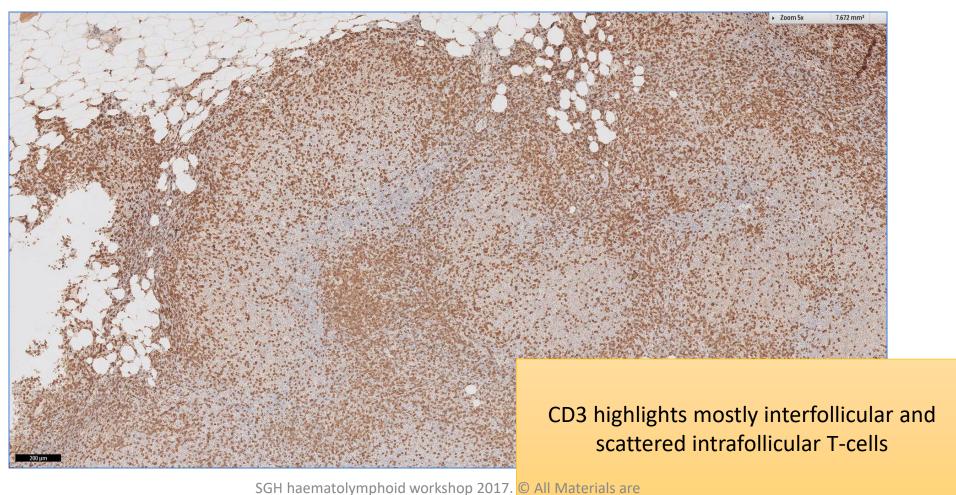
#### SGH CASE 11: 17RE117 H&E



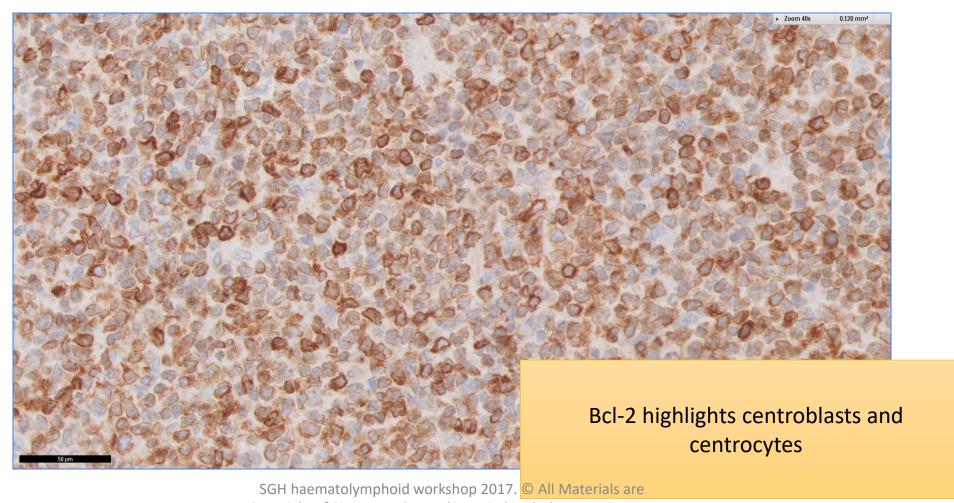


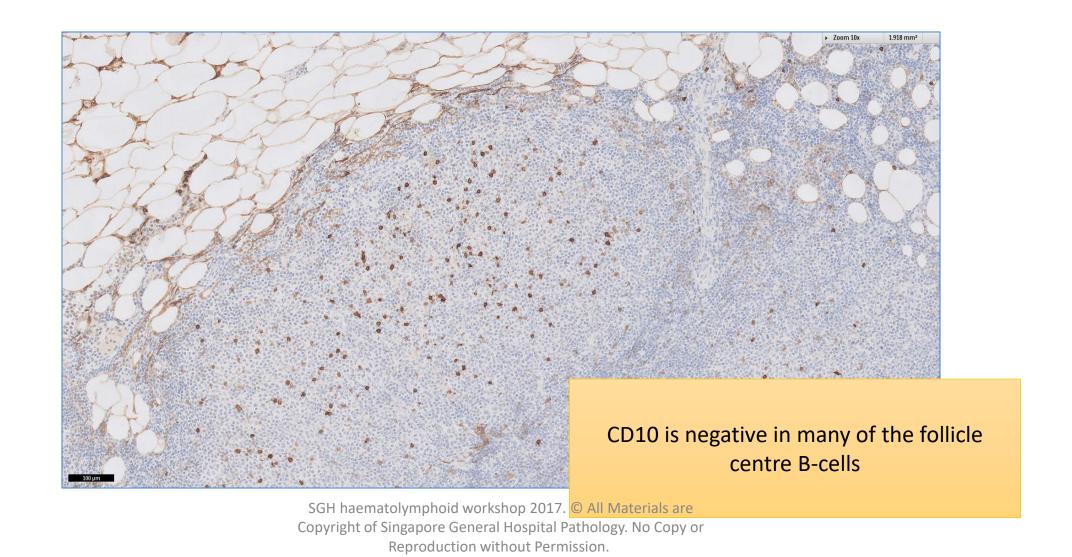


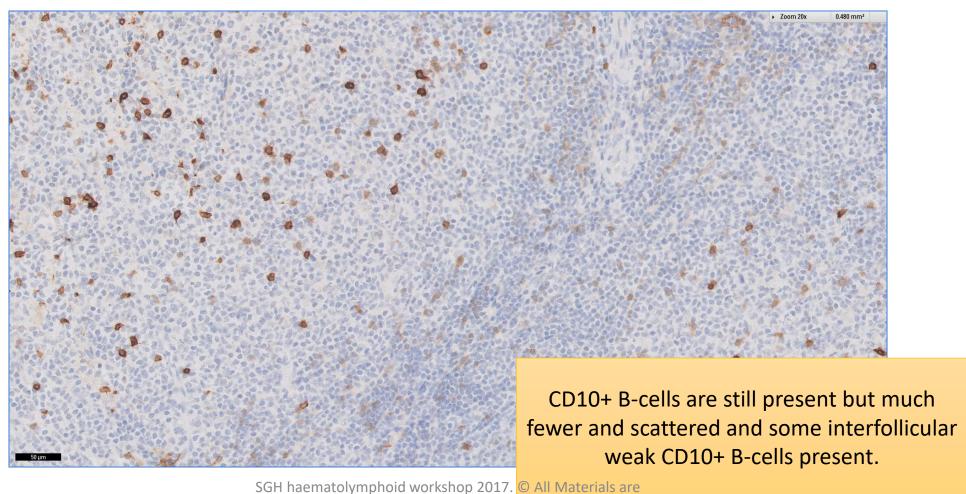


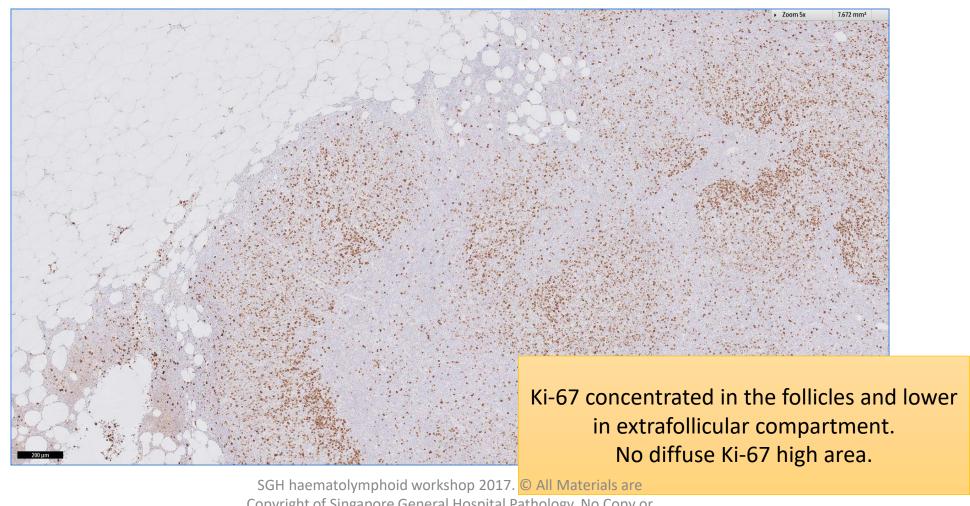






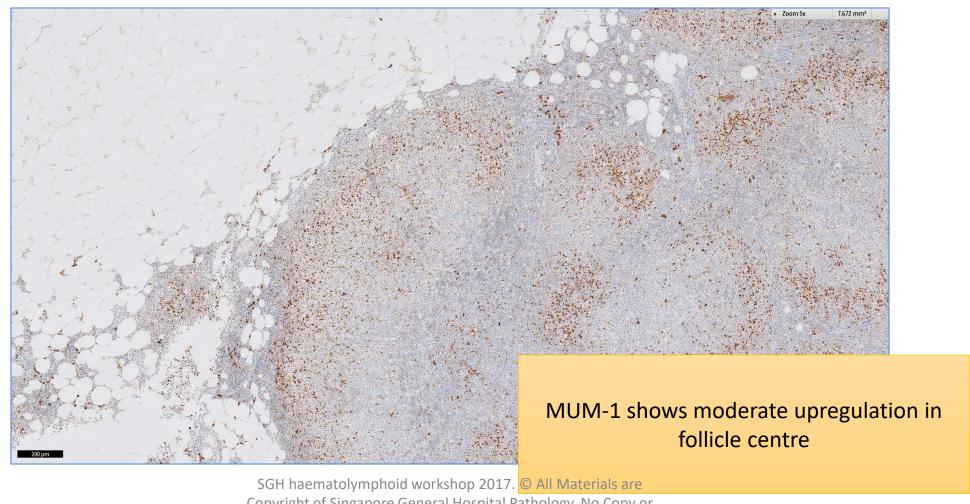






Copyright of Singapore General Hospital Pathology. No Copy or Reproduction without Permission.

## SGH CASE 11: 17RE117 MUM1



# SGH CASE 11: 17RE117 Discussion (1)

- Summary of findings:
  - Follicular architecture with attenuated mantle zone and extranodal infiltration into adjacent adipose tissue.
  - Follicle centres consisting mainly of centroblastic large cells (exceeding 15 per high-power field of 0.159 mm<sup>2</sup>) but with some centrocytes present, hence qualifying for grade 3A.
  - Immunophenotype
    - CD20 and bcl-6 positive B-cell follicles with significant extrafollicular infiltrate of B-cells
    - Bcl-2+ in follicle centre B-cells but attenuated CD10 expression, though with minor population of interfollicular CD10+ cells.
    - Some upregulation of late-to-postgerminal centre-associated transcription factor MUM.1 in the follicles
    - Ki-67 proliferation is concentrated in the follicles, without diffuse large cell areas seen.
    - Cyclin D1 negative
  - Patient also has focal skin involvement by low grade FL (not shown)

# SGH CASE 11: 17RE117 Discussion (2)

- CD10 negative FL may be encountered
  - More commonly high grade.
  - May be negative for bcl-2 translocation and instead display bcl-6 translocation
  - The other morphologic and immunophenotypic features are consistent with FL
- Our case shows attenuated CD10 but there is still a very minor population of lymphomatous B-cells with CD10 expression.
- Final Diagnosis:
  - Follicular lymphoma, Grade 3A.

#### Reference

 Marafioti T, Copie-Bergman C, Calaminici M, Paterson JC, Shende VH, Liu H, Baia M, Ramsay AD, Agostinelli C, Brière J, Clear A, Du MQ, Piccaluga PP, Masir N, Nacheva EP, Sujobert P, Shanmugam K, Grogan TM, Brooks SP, Khwaja A, Ardeshna K, Townsend W, Pileri SA, Haioun C, Linch D, Gribben JG, Gaulard P, Isaacson PG. Another look at follicular lymphoma: immunophenotypic and molecular analyses identify distinct follicular lymphoma subgroups. Histopathology. 2013 May;62(6):860-75.