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Friday, August 12, 2016

(Room 6)

16:30 - 18:30 WS #52: Paediatric Forum (120mins - not repeated)

Coeliac disease

Have you seen it?

Professor Andrew Day
Paediatric Gastroenterology
University of Otago, Christchurch

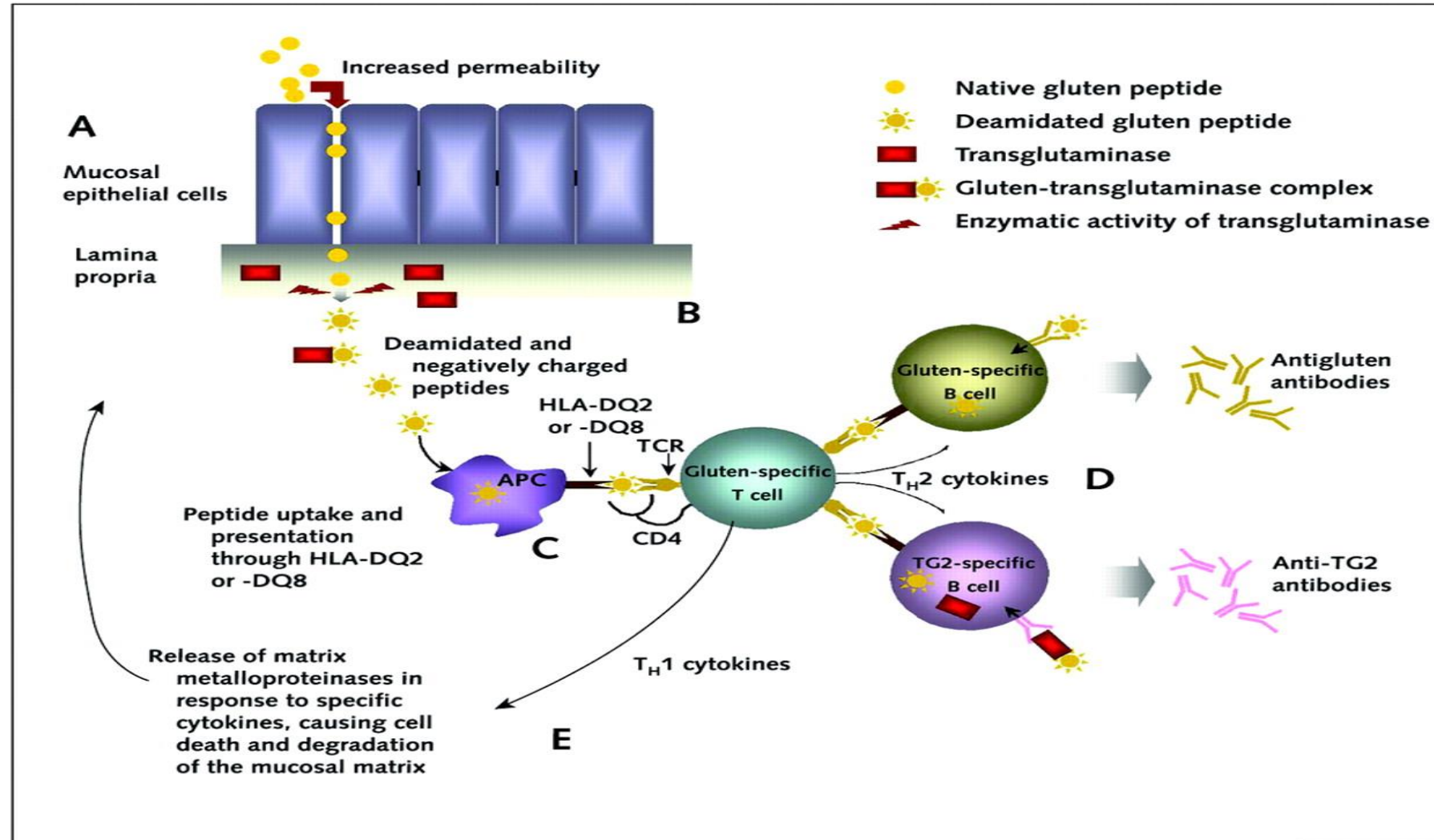
Coeliac Disease over 2 millennia....

Aretaeus the
Cappadocian 100 AD

Koiliakos: meaning
"suffering in the bowels."



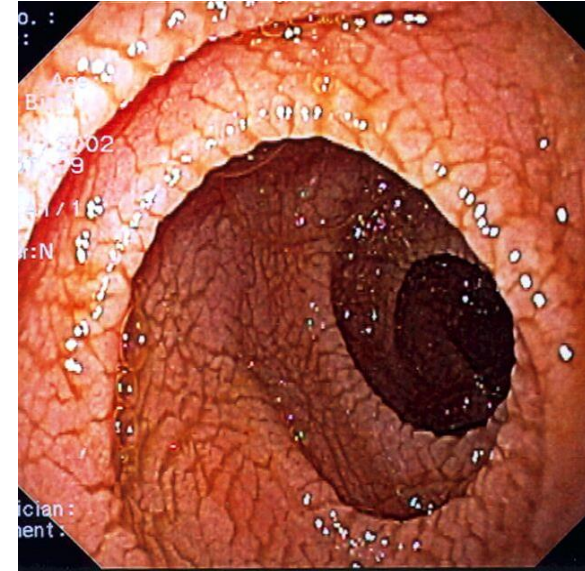
Pathogenesis of CD



Normal small bowel



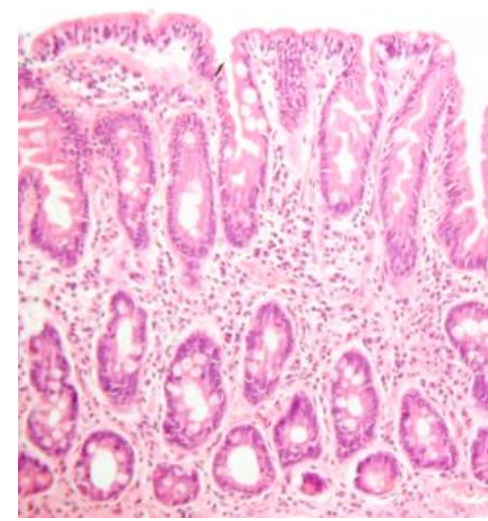
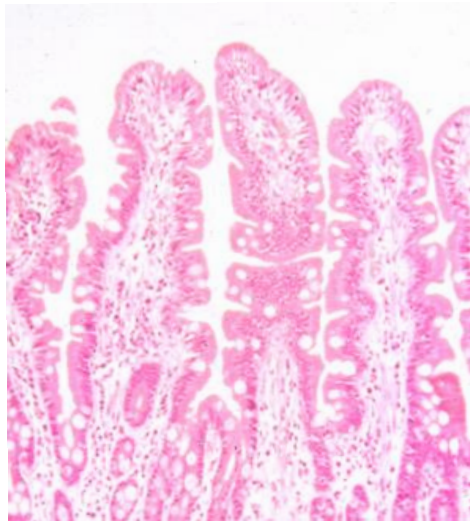
Coeliac disease



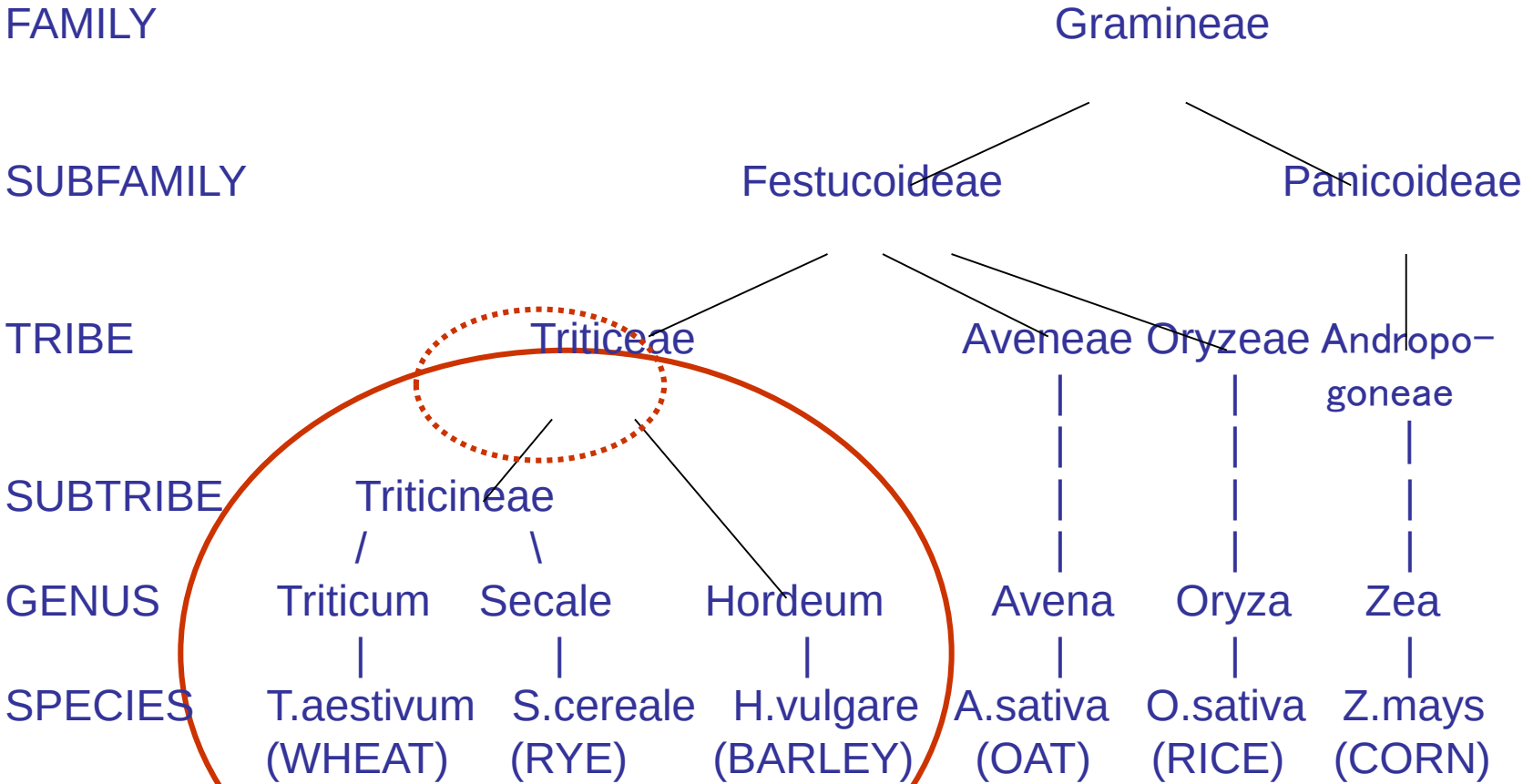
Normal diet



GFD



Gluten and Grains



Coeliac disease becoming more common

FINLAND:

1978-80: 1.03%

2000-01: 1.99%

2010: 2.4%

**Coeliac disease has wide
and diverse features.....**









Case A: 14 month old girl

3 months symptoms: Diarrhoea (increasing), bloated, pale, lethargic, grumpy (?pain), no weight gains

Weight ↓ ↓ ↓, Pale, irritable, wasted, distension++

Iron deficient, Hb 87, tTG 3

SBB – severe villous atrophy

Case B: 4 yr old boy

Belly pains for > 6 months

Occasional loose BM, pale, no weight gain

Looks pale, otherwise normal exam

Hb 97, tTG 155, IgA normal

Duodenum scalloped folds, mosaic, friable

Patchy subtotal villous atrophy

Range of CD Presentations

short-stature

anaemia/Fe deficiency

chronic abdo pain

failure to thrive

mouth ulcers / stomatitis

rickets

constipation

NO SYMPTOMS AT ALL

Coeliac Disease Associations

IgA deficiency

Type 1 Diabetes Mellitus

Downs Syndrome

Atopic Dermatitis

Inflammatory Bowel Disease

Thyroiditis

Hepatitis

Epilepsy (with cerebellar calcifications)

Cystic fibrosis

Family History

Looking for Coeliac disease
How can we find it??

How is coeliac disease diagnosed?

Someone has to **suspect** it!

A blood test **suggests** it...

EMA / tTG (?IgG-based assay, ?Hb, ?Fe)

A duodenal biopsy **confirms** the diagnosis

Should children start a GFD before small bowel biopsy?

NO!!

A gluten free diet prior to biopsy may improve the histology and make it very difficult to then make the diagnosis!

Aim for prompt booking

If positive blood tests, why need a small bowel biopsy?

The treatment is a gluten-free diet for life

Biopsy confirmation for special authority

Biopsy-free approach considered in European guidelines: not yet adopted NZ/Aus/USA

Now that diagnosis with coeliac disease, what next?

A life-long gluten-free diet

Easy to say but easy to do?

Coeliac society / support group

Dietitian

Self education

Summary

Coeliac disease at least 1: 100

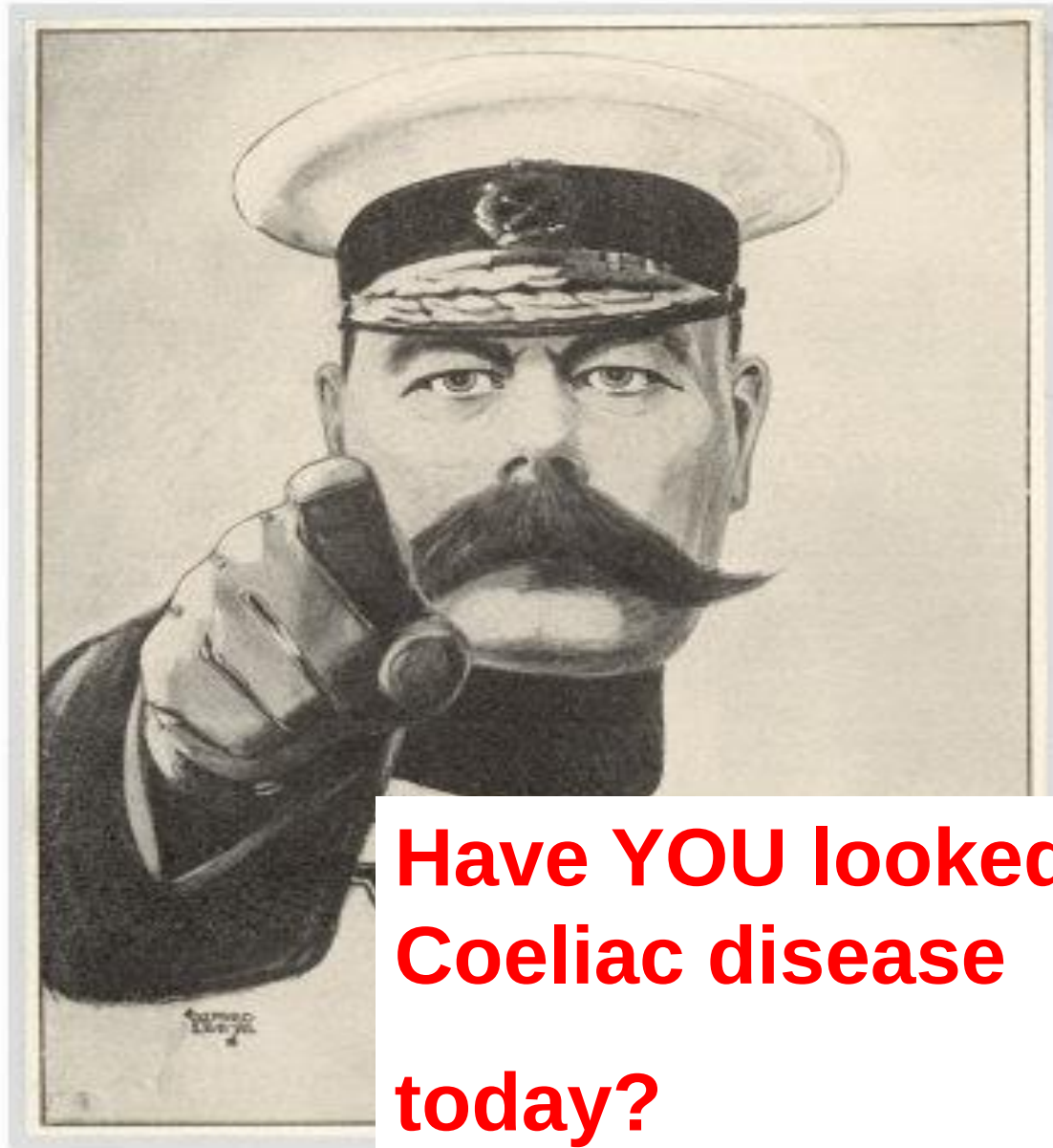
Many not diagnosed

Wide variation in symptoms

Suspect: Screen: Confirm

Potential complications

GFD at present



**Have YOU looked for
Coeliac disease
today?**