Scientific output on Erasmus MC website and the use of XML

An easy way to manage and standardise the presentation of department’s journal articles

Wichor Bramer – Erasmus MC – Rotterdam, the Netherlands
University Medical Centre – Erasmus University Rotterdam

- 10,250 employees
- 650 medical specialists
- 1320 beds
- Income: € 1,000,000,000
- 100+ scientific departments
- Scientific output: 3000 publications in 2009
Scientific output

- Articles gathered by departmental offices
  - For financial reward system (Metis)
  - For representation on website (100+ departmental websites)
Presented scientific output on website
But…

- Lots of different ways of presenting
- No control on output
- Hardly any link to full text
Library solution: Endnote to XML

<table>
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<tr>
<th>Author</th>
<th>Year</th>
<th>Title</th>
<th>Journal</th>
<th>Ref Type</th>
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Boxmeer 2008: Low folate in seminal plasma is associated with increased sperm DNA damage

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  &lt;year&gt;2008&lt;/year&gt;
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&lt;/item&gt;
</pre>
Workflow

- Library helps set up search with authorID’s in Scopus
- Departments gather publications annually, import in EndNote
- Upload XML file to website
- Library maintains central XSLT document
Result

Advantages

- For the medical library:
  - Easily adding new features by updating xslt format
- For departments:
  - Easily updating page
  - Not having to add article links in CMS
Added features

- Maintain multiple webpages with one XML document
- XSLT that split pages per year
- Adding subject labels to records
### Publicaties Hepatitis

- **Peginterferon alpha-2b is safe and effective with advanced fibrosis**
  Buster EH, Hansen BE, Buti M, Delwaide J, Niedert Janssen HL, Group HBVS
  *Hepatology: 46 (2) p. 388-94*

- **Antiviral treatment for chronic hepatitis B vi suppression?**
  Buster EH, Janssen HL
  *Neth J Med: 64 (6) p. 175-85*

- **Prolonged antiviral therapy for hepatitis B vi option to prevent work restriction without ju**
  Buster EH, van der Eijk AA, de Man RA, Janssen H
  *J Viral Hepat: 14 (5) p. 350-4*

- **Doctor to patient transmission of hepatitis B potential new solutions**
  Buster EH, van der Eijk AA, Schalm SW
  *Antiviral Res: 60 (2) p. 79-85*

- **Relapse after treatment with peginterferon in HBeAg positive chronic hepatitis B**
  Flink HJ, Buster EH, Merican I, Nevens F, Kitis G, C Janssen HL
  *Gut: 58 (10) p. 1485-6*

- **Successful treatment with peginterferon alf standard interferon or lamivudine**
  Flink HJ, Hansen BE, Heathcote EJ, Feinman SV, S RA, Verhey E, Schalm SW, Janssen HL, Group HBVS
  *Am J Gastroenterol: 101 (11) p. 2523-8*

- **Flares in chronic hepatitis B patients induced by the host or the virus? Relation to treatment response during Peg-interferon (alpha)-2b therapy**
  Flink HJ, Sprengers D, Hansen BE, van Zonneveld M, de Man RA, Schalm SW, Janssen HL, Group HBVS
  *Gut: 54 (11) p. 1604-9*

### Publicaties PBC

- **Gastric emptying is slow in chronic fatigue syndrome**
  Burnet RB, Chatterton BE
  *BMC Gastroenterol*: 4

- **Attenuated liver progenitor (oval) cell and fibrogenic responses to the choline deficient, ethionine supplemented diet in the BALB/c inbred strain of mice**
  Knight B, Akhurst B, Matthews VB, Ruddell RG, Ramm GA, Abraham LJ, Olynyk JK, Yeoh GC
  *J Hepatol: 46 (1) p. 134-41*

- **Improved prognosis of patients with primary biliary cirrhosis that have a biochemical response to ursodeoxycholic acid**
  *Gastroenterology: 136 (4) p. 1281-7*

- **The relation between plasma tyrosine concentration and fatigue in primary biliary cirrhosis and primary sclerosing cholangitis**
  ter Borg PC, Fekkes D, Vrolijk JM, van Buuren HR
  *BMC Gastroenterol*: 5

- **Ilo prognostic significance of antimitochondrial antibody profile testing in primary biliary cirrhosis**
  Vleggaar FP, van Buuren HR
  *Hepatogastroenterology: 51 (58) p. 937-40*

- **Orthotopic liver transplantation for portosystemic encephalopathy in an adult with congenital absence of the portal vein**
  Wojcicki M, Haagsma EB, Gouw AS, Slooff MJ, Porte RJ
  *Liver Transpl: 10 (9) p. 1203-7*
In the future

- Extract XML data to database
- Generate researcher pages with automated publication lists
- Import XML data into Metis financial reward system
Thanks for your attention

- Feel free to mail: w.bramer@erasmusmc.nl
- Or twitter @wichor