Annual MEDLINE® Reload on STN® Introduces New Searching Capabilities and the Updated 2014 MeSH Thesaurus

The annual reload of MEDLINE on STN features updated records with 2014 MeSH (Medical Subject Heading) indexing terms, a fully searchable version of the 2014 MeSH Thesaurus and a number of new search and display fields.

Multiple Author Affiliations

MEDLINE records now include all available organizational affiliations for authors. The BIB and ALL display formats, as well as the new AU.CS custom display format, now provide authors paired with their affiliations, e.g.,

```
L1   ANSWER 2 OF 325     MEDLINE on STN
AN   2014331669     MEDLINE (EPUB AHEAD OF PRINT)
DN   PubMed ID: 24401954
TI   Heart rate and heart rate variability in resistant versus controlled hypertension and in true versus white-coat resistance.
AU   de la Sierra A
CS   Department of Internal Medicine, Hospital Mutua Terrassa, University of Barcelona, Terrassa, Spain.
AU   Calhoun D A
CS   Division of cardiovascular disease, University of Alabama, Birmingham, AL, USA.
AU   Vinyoles E
CS   CAP la Mina, University of Barcelona, San Adrian del Besos, Spain.
AU   Banegas J R; de la Cruz J J
CS   Department of Preventive Medicine and Public Health, Autonomous University, Madrid, Spain.
AU   Gorostidi M
CS   Department of Nephrology, Hospital Universitario Central de Asturias, Oviedo, Spain.
AU   Segura J; Ruilope L M
AUID ORCID: 0000-0003-4677-9526
    Date: 9 Jan 2014
```

The AU custom display format now provides all author names in a single field (compare to record above):

```
L1   ANSWER 2 OF 325     MEDLINE on STN
AU   de la Sierra A; Calhoun D A; Vinyoles E; Banegas J R; de la Cruz J J; Gorostidi M; Segura J; Ruilope L M
```

The Corporate Source (/CS) custom display format provides all organizational affiliations in a single field:

```
L1   ANSWER 2 OF 325     MEDLINE on STN
CS   Department of Internal Medicine, Hospital Mutua Terrassa, University of Barcelona, Terrassa, Spain. ; Division of cardiovascular disease, University of Alabama, Birmingham, AL, USA. ; CAP la Mina, University of Barcelona, San Adrian del Besos, Spain. ; Department of Preventive Medicine and Public Health, Autonomous University, Madrid, Spain. ; Department of Nephrology, Hospital Universitario Central de Asturias, Oviedo, Spain. ; Hypertension Unit, Hospital 12 de Octubre, Madrid, Spain.
```

BIB, ALL and AU.CS displays will also provide Group Author (AUGR), Collaborative Author (AUCL), and Author Identifier (AUID) information, as available.
ORCID Data Now Appears in the AUID Field

ORCIDs (1) distinguish between authors with the same name and (2) link together the publications by an individual who has published under different names. MEDLINE on STN now supplies ORCID data in the AUID field, when available. The AUID field can be searched, custom displayed, and is included as part of AU.CS custom displays, as well as BIB and ALL displays. See http://about.orcid.org/ for more information about ORCID codes.

New Search and Display Fields for Citing Document Information

The following new search and display fields are being introduced to MEDLINE for citing document information. They join the existing OSC.G field, which provides information on the number of citing documents for a MEDLINE record, and follow the design for this type of data in CAplus.

UPOS.G – Provides the most recent date when another MEDLINE document cited the MEDLINE record. The data is numerically searchable in the YYYYMMDD format. This data can be used by authors who are tracking citations to their works.

OS.G – Provides the Accession Numbers of the last 50 MEDLINE records which cite the displayed MEDLINE document.

The new OSG custom display format provides the OSC.G, UPOS.G and OS.G fields:

OSC.G  5 There are 5 MEDLINE records that cite this record
UPOS.G  Date last citing reference entered STN: 24 Dec 2013
OS.G    MEDLINE 2014157719; 2011924286; 2011201094; 2011029512; 2010193066

Clicking on a hyperlink in the OS.G field provides an ALL display of the selected MEDLINE record. You can also enter SELECT OSG <answer number> to make a set of all MEDLINE citing document Accession Numbers for a record of interest, or SEL OSG <L#> for an entire answer set.

Two additional custom display formats introduced with the reload are:

OS.GMAX – Displays up to 1,020 MEDLINE ANs, rather than the limit of 50 in OS.G

OSG.MAX – Displays the OSC.G, UPOS.G and up to 1020 Accession Numbers in the OS.G field.

New Grant Information Fields

Grant information in MEDLINE records now appears in the GO (Grant Organization) and GN (Grant Number) fields, consistent with other STN databases. The NC field no longer exists.

Sample GO and GN data:

<table>
<thead>
<tr>
<th>GO</th>
<th>Italy Telethon</th>
</tr>
</thead>
<tbody>
<tr>
<td>GO</td>
<td>United States NIAMS NIH HHS</td>
</tr>
<tr>
<td>GN</td>
<td>GGP06166; GGP07075; GSP08002</td>
</tr>
<tr>
<td>GN</td>
<td>AR053696</td>
</tr>
</tbody>
</table>

Search truncated country names in the GO field to find grant organizations from countries of interest.

Additional Abstract Languages Available from the Publisher

The new ABLA search and custom display field provides information on non-English language abstracts available from the publisher, but not included in the MEDLINE record. ABLA can be searched by the full
Persistence of the oxytocin receptor (OTR) in the bovine uterus during the first 7 d after calving was investigated by means of immunohistochemical staining. Immunoreactive OTRs were present in different locations in the uterus on almost all days except day 2, when staining was seen only in the endothelium of blood vessels in the endometrium and myometrium. This finding supports the hypothesis that oxytocin may be ecbolic in cows through the 1st week post partum, but further studies are required to assess the receptor functionality during this period.

New File Segment Values

The medium or media on which the document was received now appears in the FS field. New values are: Print, Electronic and eCollection.

Revised 2014 MeSH

STN loaded the revised 2014 MeSH vocabulary in mid-December 2013. Changes include:

- 304 new terms (http://www.nlm.nih.gov/mesh/newd.html)
- 40 terms replaced by more up-to-date vocabulary (http://www.nlm.nih.gov/mesh/prefterm_change.html)
- 8 deleted terms (http://www.nlm.nih.gov/mesh/deleted.html)

Consult the lists above or the updated MeSH thesaurus for new or better search terms. Update your SDIs and saved searches as necessary.

The new features described above are documented in the updated MEDLINE Database Summary Sheet (see http://www.cas.org/products/stn/dbss).