Abstract Submission for ECR 2017

- **Scientific Paper** (talk: 6 min. + 2 min. discussion)

Abstracts should be submitted in a format ready for publication. Please check and avoid any typographic and grammatical errors.

Kindly note that **ordinary case reports** (three or fewer cases) **will not be accepted**! The reviewers are instructed to filter these out. We recommend submitting case reports to EURORAD ([www.eurorad.org](http://www.eurorad.org)).

**Abstract Submission Instructions:**
A properly submitted abstract will include the following elements:
- Title
- Author(s)
- Disclosure statement
- Topic
- Abstract categories
- Abstract body (summarise subject in 250 words or less) **structured as follows:**
  - **Purpose**
  - **Methods and Materials**
  - **Results**
  - **Conclusion**

**Sample Abstract Body:**

| **Purpose:** | Partial volume averaging effects complicate measurement of acoustic neuroma size with the error greatest in small tumours. A method of volume measurement that incorporates partial volume averaging is introduced. |
| **Methods and Materials:** | Post contrast T1 volume MR images were acquired from 48 patients. A computer generated phantom was created, mimicking the partial volume and noise characteristics of acoustic neuromas. Manual volume segmentation is taken as the gold standard. Tumour diameter, perimeter length, elliptical and directly measured area were measured on the image demonstrating the largest tumour area. Three dimensional seeding was performed on the tumour volume as well as an algorithm developed for automated estimation of tumour size using Bayesian classifiers. |
| **Results:** | Correlation with gold standard volume measure was greatest for the automated algorithm (95 % confidence interval for $R^2$ is 0.962 to 0.988), followed by measures of seeding (0.773 to 0.923), ellipse (0.755 to 0.916), area (0.645 to 0.872), diameter (0.491 to 0.803), and perimeter (0.491 to 0.803). Phantom studies on partial volume regions show the accuracy of the partial volume measurement was 5 % (c.f. 13 % for repeated area measurements). |
| **Conclusion:** | A Bayesian statistical classification method can rapidly provide measures of tumour volume which are reproducible and offer better accuracy than current time consuming gold standard techniques. This method should also increase the accuracy of growth rate measurements for intracanalicular acoustic neuromas. |
Important abstract elements:

- Purpose clearly stated
- Precise description of methods and materials (patients), especially patient recruitment, analysis and statistics
- Precise description of results with numbers and statistics
- Statistics should be appropriate
- Work-in-progress is only acceptable for extremely innovative or interesting approaches
- Coherence between stated purpose, methods and materials, results and conclusion (M&M should be suited to address the stated purpose, results should reflect M&M, conclusions should address previous sections)

Please do not include references, acknowledgements, graphics, tables or figures in your abstract body as these will not be published in the Book of Abstracts. Text should be submitted using standard Latin characters.

Submission Steps:

1. Terms and Conditions
Complete the required terms and conditions by clicking on the appropriate boxes.

2. Topic
Select the appropriate subspecialty (topic). This selection directs your abstract for review. Reviewers may swap abstracts once received if they feel they will fit better in another topic.

3. Title
Please keep titles as long as necessary but as short as possible (max. 160 characters). Titles should all be lower case except for acronyms, proper names (e.g. Doppler, Crohn's) and the first letter. Please spell out any Greek or scientific characters (e.g. beta). Do not use a full stop at the end of the title.

4. Author(s)
A maximum of nine authors can be listed. Only people that contributed to the work should be listed – gift or ghost authorship is strictly discouraged. Note that the system requires contact information (incl. email address) for each author. Please select the presenter, set the order of authors and check your author block with regard to spelling or special characters.

5. Disclosure statement
It is the policy of the European Congress of Radiology to ensure balance, independence, objectivity, and scientific rigour in the congress programme. Knowledge of possible relationships with sponsors of any kind is mandatory in order to reinforce the educational and scientific message and to relieve any suspicion of a bias. Therefore, the presenting author is asked to submit a Conflict of Interest disclosure on behalf of all authors.

6. Abstract categories
The four equally weighted keyword columns (Area of Interest, Technique, Procedure, Special Focus) each contain a variety of terms relevant to radiology. Please select the appropriate one(s) from each keyword column in the drop-down menu.
- Area of Interest: one selection (required), up to three (optional)
- Technique: one selection (required), up to three (optional)
- Procedure: one selection (required), up to three (optional)
- Special Focus: up to three (optional)
7. Projection material
In the "Additional Information" section, it will be required to tick a box stating that you understand that only digital projection material will be allowed. Furthermore you will be asked if you would like to submit additional digital material to EPOS (in case your abstract is accepted).

8. Abstract body
Enter the abstract text by typing or copying and pasting plain text from a prepared document into the appropriate fields.

9. Summary page
When the abstract submission process is complete, a summary page is displayed. This page includes the abstract control number and all details of your submission. Please review this summary carefully to ensure that it is correct. If it is not, please edit accordingly.

10. Confirmation
Optional: a confirmation of your submission can be emailed to you and to your co-authors.

Please make sure that your abstract is properly structured and proof-read concerning English spelling and grammar. This will certainly improve the quality of your submission and thus influence its scores in a positive way.

You can edit or delete your abstract online at any time before October 15, 2016. If you wish to withdraw your abstract after that date you must inform the ESR Office in writing by email.

Please note that only digital material will be accepted for oral presentations. It can be submitted online prior to ECR 2017 or transferred from the speaker's CD-ROM, DVD, Zip disk or USB device to a central server onsite at least 3 hours prior to the session. Computers connected to data projectors are provided in each lecture room for the speaker to retrieve the saved data. The material remains the property of the speakers and will not be reused without permission.

It is expected that acceptance of an abstract for presentation at ECR will lead to eventual submission of that work to "European Radiology", the official journal of ESR.

Detailed notifications of acceptance and guidelines for presentation will be sent by email at the end of December 2016. An early notification will be available at the beginning of December.

Presenters of accepted scientific papers (no first or second authors) who have paid their ESR membership fee by August 31, 2016, can attend ECR 2017 for a reduced fee of €250. This offer will only be available if registration is finalised by December 14, 2016.

Presenters of accepted scientific papers without ESR 2016 membership and authors of rejected scientific papers can attend ECR 2017 for the "early fees". This offer will only be available from the point of notification in early December until December 14, 2016. Please note that there will be no refund for fees already paid.

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