A web site page for information about Osteonecrosis of Jaw (ONJ): the Rete Oncologica Piemonte e Valle d'Aosta experience, at www.reteoncologica.it

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Abstract

Osteonecrosis of the Jaw (ONJ) related to drugs (bisphosphonates, denosumab, antiangiogenic and other agents) is an issue of care by the “Rete Oncologica di Piemonte e Valle d'Aosta” since 2005. The “Rete Oncologica” is a cancer network that include professionals (physicians, nurses, technicians, supporting staff, data managers, etc) of all the healthcare units that manage and treat patients with cancer and hematologic disorders in two regions (Piedmont and Aosta Valley, globally 4.4 million population) in the North-Western Italy. Besides study groups, research grants and organization of meetings, in order to facilitate the awareness of ONJ issues, on 2014 the network created specific ONJ-dedicated pages on the network website www.reteoncologica.it. In the area for healthcare staff, the reader can find an ONJ title, that opens to an ONJ front page (http://www.reteoncologica.it/area-operatori/osteonecrosi-dei-mascellari-onj) presenting links to recent issues (recommendations, meetings, papers, etc) and to an Archive with previous contents, classified for year (http://www.reteoncologica.it/area-operatori/osteonecrosi-dei-mascellari-onj/185-documenti-e-slide). Preliminary altmetric evaluation of the ONJ pages (number of visits; median time of stay; etc) show a variable but
steady access to the ONJ contents of the website, with occasional peaks.

**Background:** Osteonecrosis of the Jaw (ONJ) is an uncommon (not rare) disease recognized since 2003 as associated to treatment with some drugs (increasing in number and classes). ONJ is more frequently observed in bone metastatic cancer and myeloma patients receiving antiresorptive treatments (bisphosphonates and denosumab) with/without biological agents, but it is also diagnosed in patients receiving bisphosphonates and denosumab for osteoporosis and other non malignant bone disorders. Awareness of ONJ increased since 2005 but it is still insufficient, as well as knowledge about risk assessment, predictive factors, management and treatment strategies. Since 2004 alert about ONJ started among some oncologists, hematologists, oral care specialists also in Piedmont and Aosta Valley (globally 4.4 million population) in the North-Western Italy, after observation of apparently first ONJ cases in cancer and myeloma patients.

The “Rete Oncologica di Piemonte e Valle d’Aosta” is a cancer network that include professionals (physicians, nurses, technicians, supporting staff, data managers, etc) of all the healthcare units that manage and treat patients with cancer and haematologic disorders in those two regions. On November 2005 the network organized a meeting among several figures involved in ONJ diagnosis, management, and treatment. A multiprofessional ONJ Study Group started cases collection (still ongoing: more than 800 cases collected at the end of 2020)[1][2][3][4], meetings (at regional and national level) and guideline diffusion.

On 2014, as ONJ became a relevant issue of activity of the network, the Rete Oncologica head office created a ONJ-dedicated space on the well-followed network website www.reteoncologica.it. The introductive page for professional area http://www.reteoncologica.it/area-operatori includes a link, that opens to a specific ONJ page: http://www.reteoncologica.it/area-operatori/osteonecrosi-dei-mascellari-onj. The frontline ONJ page links to recent issues (recommendations, meetings, papers, etc) of interest and to an “Archive” with previous contents, classified for year (http://www.reteoncologica.it/area-operatori/osteonecrosi-dei-mascellari-onj/185-documenti-e-slide), including acta and slides of all the ONJ meetings. The website pages are visited not only by network professionals, but also by other Italian professionals, that are largely involved on ONJ study and research.[5][6]

**Materials and Methods:** Data about visits at the ONJ pages have been collected by usual web tools. Web traffic was defined in terms of page views and visits, for time period. Other details (including time duration per visit) are illustrated in figure 1 and 2.
Preliminary Results: The visits decreased in 2020 year (in comparison with 2019) but increased in the first months of 2021.

The study is ongoing, in order to analyze frequency and peaks of visits, time duration per visit, more visited single pages and other data.

Some peaks of visits seem to be present in occasion of publication on the website homepage of papers, guidelines, meeting announcement (see example in figure 3).
Conclusions. The ONJ-dedicated pages of the website www.reteoncologica.it are visited by professionals of the network in a variable manner, with some occasional peaks. Tools aimed to increase the visit frequency are to be planned.

References


