**Poster Session**

**P1–032 PREVENTIVE AND THERAPEUTIC EFFECTS OF POLAPREZINC SUSPENSION ON ORAL MUCOSAL INJURY**

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**Introduction/Purpose:** We dispense polaprezinc, a drug for gastric ulcer treatment, as an oral rinse for patients with oral mucosal injury, and provide this drug through the oral care outpatient department. We examined its preventive and therapeutic effects.

**Subjects:** The subjects were patients given the drug formulation for treatment or prevention of oral mucosal injury associated with the treatment of malignant diseases between October 2007 and January 2013.

**Methods:** With ethics committee approval, we dispensed a suspension consisting of polaprezinc granules and 0.2% sodium polyacrylate (PANA) in our hospital, and administered it to patients by an oral rinse method. For stomatitis and associated pain, we treated and evaluated subjects over time from onset to week 4 using visual analog scales based on the Adverse Drug Reaction Criteria of the Japan Society of Clinical Oncology.

**Results:** In total, 423 patients (211 for treatment and 212 for prevention) received the suspension. Effects of polaprezinc suspension were examined according to cancer treatment method: stomatitis prevention success rate, symptom improvement rate, pain prevention success rate, and symptom improvement rate were 68.5%, 84.4%, 75.4%, and 76.7%, respectively, for chemotherapy (n = 280), 32.7%, 64.5%, 45.5%, and 73.5% for chemoradiation therapy (n = 95), and 29.6%, 60.0%, 40.7%, and 68.6% for radiotherapy alone.

**Discussion:** Polaprezinc is reportedly effective for oral mucosal injury in terms of free radical removal, mucosal protection, and tissue repair. This study showed the efficacy of this drug to be increased by viscosity and adhesion of PANA.

**Conclusions:** The polaprezinc suspension is effective particularly for improving oral mucosal injury symptoms. Combined radiation therapy requires further development.

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