

Corni Fructus(Cornaceae), Loniceræ Flos(Caprifoliaceae), Gentianæ Scabrae Radix, Swertiae Herba (Gentianaceae) and Loniceræ Flos, Corni Fructus over 5 years. A quantitative analysis of loganin using HPLC method showed that this results in 6 samples collected from Kyung-Dong market in Seoul.

[PD2-2] [ 04/19/2002 (Fri) 10:00 - 13:00 / Hall E ]

### Evaluation of Oriental Bezoar Quality

Lee JongPill<sup>o</sup>, Park SangYong, Jung YoungJa, Cho ChangHee, Cho SoYeun, Park JuYoung, Ze KeumRyon, Ha KwangWon

Department of Herbal Medicine Evaluation, Korea Food and Drug Administration

Oriental Bezoar is a stone formed in the gall sac of *Bos Taurus* Linne var. *Domesticus* Gmelin (*Bovidae*). Korea has imported it from some other countries such as Brazil, Argentina, Australia, Japan, etc. And most of them have been packaged to the Whole and the Broken types at that moment. It is widely used as a traditional medicine for the treatment of frenzy delirium and sold at a high price in oriental areas. So fake or inferior goods could be circulated.

In order to guarantee the quality of Oriental Bezoar, 318 samples imported from June 1998 to May 2001 were tested on specification in K.P. The 12 samples were not passed, which the 10 samples of Broken type were failed on the ash test, one sample of Whole and Broken type on the ash and the assay test, respectively, and another on the discrimination because of mold. Also content of bonded bilirubin in Oriental Bezoar was quantified with the average of  $27.91 \pm 7.73$  % in samples of passed the test and the ash content was  $7.39 \pm 0.65$  % (n=306). So the assay level of bonded bilirubin of Oriental Bezoar on specification might be evaluated to be higher than now.

[PD2-3] [ 04/19/2002 (Fri) 10:00 - 13:00 / Hall E ]

### Chemical Components of H<sub>2</sub>O and MeOH extracts from *Cordyceps militaris*

Kwon YoungMin<sup>o</sup>, Kim JeeHun, Yeom SeungHwan, Choi JongMoon, Lee JaeHee, Lee MinWon

College of pharmacy Chung-Ang University

*Cordyceps militaris*(CM) has been used as a tonics and herbal medicine traditionally. Recent research has shown the effect of glucose metabolism, cancer, endocrine and sexual functions of CM. Phytochemical examination of CM which is cultivated in Korea isolated cordycepin along with four similar amino acids from H<sub>2</sub>O soluble fraction and three lipophilic components as fatty acids and phthalide from MeOH soluble fraction of CM. We also carried out quantitative determination of cordycepin by High Performance Liquid Chromatography. The results showed that the contents of cordycepin is 0.08853% in CM.

[PD2-4] [ 04/19/2002 (Fri) 10:00 - 13:00 / Hall E ]

### Two Novel Nucleosides from a Brown Alga *Sargassum fulvellum*

Kim EunSook<sup>o</sup>, Ryu GeonSeek, Choi ByoungWook, Lee BongHo

Dep. of Chemical Technology, Hanbat National University

In the course of our researches for bioactive compounds from Korean marine algae, the methanolic extract of a brown alga in genus *Sargassum* (Fucales, Phaeophyceae) off Cheju Island, Korea was partitioned between *n*-BuOH and H<sub>2</sub>O. The aqueous fraction was subjected to ODS flash, Sephadex LH-20, and prep. TLC to afford adenosine and two novel *N*-methylaminosugar nucleosides. The formula molecular was established as C<sub>11</sub>H<sub>13</sub>N<sub>6</sub>O<sub>3</sub> on the basis of the HRESI mass and <sup>13</sup>C NMR spectra. Their structures were