

The past

* Conventional cytology
by pap,
PAS,
Giemsa,
Immunohistochemistry

The present

* Detective molecular marker
by CEA,
Trypsinogen-1,
Matrix metalloproteinase-7
(MMP-7)
CK-20
Dopa decarboxylase(DDC)
MAGE

The future

* Standardization of
diagnostic methods

* Combination of markers for
improving detection rate

* Molecular marker for target
therapy

Figure 1. Detection of free cancer cell in peritoneal washes of gastric cancer patients: the past, present and future