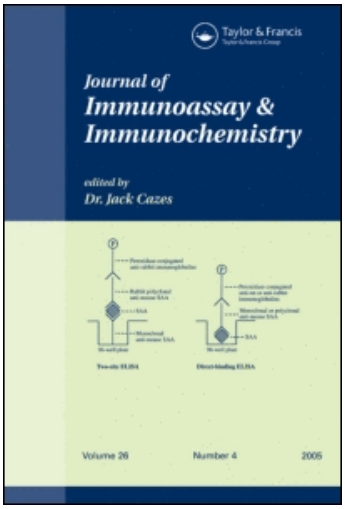

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Erratum

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ERRATUM

VALIDATION IN RAT PLASMA OF A DIRECT RADIOIMMUNOASSAY FOR A LUTEINIZING HORMONE-RELEASING HORMONE ANTAGONIST (BIM 21009)

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Due to a printer's error, a page of text was deleted from the above article.
The following should have appeared between pages 306 and 307.

DISCUSSION

Injection of BIM 21009 conjugated to bovine serum albumin with bis-diazotized benzidine elicited antibodies with C-terminal specificity. The relative affinity of some detergents such as Triton X-100 or Tween-20 indicates that hydrophobic interactions play a large part in peptide recognition.

Native LHRH is susceptible to endopeptidase degradation at the Tyr-Gly and Gly-Ser bonds, and to post-proline cleavage of the Pro-Gly bond (11). Although replacement of the glycine residues by dextrogyre amino-acids greatly reduces the degradation of LHRH analogs, other cleavage sites, such as the Ser-Tyr bond have been reported for LHRH antagonists (5). Deacetylation of acetylated LHRH analogs have been suggested as another possible route of peptide alteration (12). It is unlikely that metabolites interfere with the determination of the parent compound in the present radioimmunoassay since a single immunoreactive peak was found after HPLC of samples taken 1 hour and 6 days after BIM 21009 s.c. injection into rats.

Measurement of the peptide is, however, very sensitive to non-antigenic interference, since high apparent immunoreactivity is detected in peptide-free plasma. Analysis of gel filtration fractions revealed that at least four different macromolecules are implicated in this effect. The high stability of the peptide after in vitro plasma incubation excludes the participation of plasma enzymes. Binding experiments demonstrated that low