安全;对免疫后动物的重要脏器行病理学检测也证实无明显自身免疫性损害出现,提示精子抗原在雌性体内较安全,但是否对雄性动物有不良影响,实验正在进一步观察中。

由此可知,应用蛋白质分子设计的理论和技术,可成功获得含两种精子/睾丸特异性抗原关键表位的嵌合肽,并显示出可明显抑制生育的作用,充分说明该法可行,值得进一步研究。

参考文献:

[1] Naz R K, Menge A C. Antisperm antibodies: origin, regulation and sperm reactivity in human infertility[J]. Fertil Steril, 1994, 61(6): 1 001—1 013.

[2] Kong M, Richardson R T, Widgren E E, *et al*. Sequence and localizaton of the mouse sperm autoantigenic protein, Sp17[J]. Biol Reprod, 1995, 53(3): 579—590.

[3] Lea I A, von-Lieropp M J, Widgren E E, *et al*. A chimeric sperm peptide induces antibodies and strain-specific reversible infertility in mice[J]. Biol Repeod, 1998, 59(3): 527—536.

[4] Perry A C, Gichuhi P M, Jones R, *et al*. Cloning and analysis of monkey fertilin reveals novel alpha subunit isoforms[J]. Biochem J, 1995, 307(Pt 3): 843—850.

[5] Linder B, Bammer S, Heinlein U A. Delayed translation and posttranslational processing of cyritestin, an integral transmembrane protein of the mouse acrosome[J]. Exp Cell Res, 1995, 221(1): 66—72.

[6] Yuan R, Primakoff P, Myles D G. A role for the disintegrin domain of Cyritestin, a sperm surface protein belonging to the ADAM family, in mouse sperm-egg plasma membrane adhesion and fusion[J]. J Cell Biol, 1997, 137(1): 105—112.

[7] Shamsading R, Adharm I M, Nayernia K, *et al*. Male mice deficient for germ-cell cyritestin are infertile[J]. Biol Reprod, 1999, 61(5): 1 445—1 451.

[8] Naz R K, Alexander N J, Isahakia M, *et al*. Monoclonal antibody to a human sperm membrane glycoprotein that inhibits fertilization[J]. Science, 1984, 225(4 659): 342—344.

[9] Yee A J, Silver L M. Contraceptive vaccine formulations with sperm proteins. Reprod Immunology. Bronson RA (ed)[M]. Blackwell Science, Inc. Boston, 1996 693—712.

[10] Yamagata K, Murayama K, Okabe M, *et al*. Acrosin accelerates the dispersal of sperm acrosomal proteins during acrosome reaction[J]. J Biol Chem, 1998, 273(17): 10 470—10 474.

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个案与短篇

表现为腹部包块的空肠异位胰腺1例

A case report of heterotopic pancreas presenting as an abdominal mass

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患者,男,35岁,主诉中腹部无痛性包块3个月,于2000年9月11日入院。患者于2000年6月,无意间发现中腹部一肿大包块,类圆形,直径约5 cm,位置较深,易活动,无压痛,以腹部包块收入院。入院检查:血压110/75 mmHg,意识清楚,发育正常,营养良好。心肺检查无异常,腹平软,无肠型及蠕动波,全腹无压痛,脐区可触及一肿大包块,直径约4.5 cm,位置较深,边缘清楚,表面光滑,无压痛,包块触诊时不易活动。肠鸣音正常。经进一步检查后,于2000年9月20日在持续硬膜外麻醉下行剖腹探查术。术中见距屈氏韧带约4 cm处空肠壁有一约2 cm×2 cm×1.5 cm灰白色隆起组织,表面呈颗粒状突起,边界清楚。于上、下距病变约1.5 cm处切除受累空肠,行空肠-空肠端端吻合。术后病人顺利恢复出院。将包块及对应空肠系膜根部淋巴结送冰冻病理组织检查,报告为空肠异位胰腺。

讨论

异位胰腺(Heterotopic pancreas)是一种较常见的先天性发育异常[1~3]。在异位胰腺中,最常见的部位为胃及十二指肠及空肠[4,5]。临床上异位胰腺多于术中偶然发现。而表现为腹部包块则比较少见。与正常胰腺相比,异位胰腺癌变的几率更高[6]。

关键词:腹部包块;异位胰腺
中图法分类号:R572 文献标识码:B

参考文献:

[1] Anseline P, Grundfest S, Carey W, *et al*. Pancreatic heterotopia-a rare cause of bowel obstruction[J]. Surgery, 1981, 90(1): 110—113.

[2] 郭礼镒,姚育修.异位胰腺——附202例分析[J].临床医学,1990,2(1):57—59.

[3] Fam S, O'Briain D S, Borger J A. Ectopic pancreas with acute inflammation[J]. J Pediatr Surg, 1982, 17(1): 86—87.

[4] Hamada Y, Yonekura Y, Tanano A, *et al*. Isolated heterotopic pancreas causing intussusception[J]. Eur J Pediatr Surg, 2000, 10(3): 197—200.

[5] Moen J, Mack E. Small-bowel obstruction caused by heterotopic pancreas in an adult[J]. Am Surg, 1989, 55(8): 503—504.

[6] Jeng K S, Yang K C, Kuo S H F. Malignant degeneration of heterotopic pancreas[J]. Gastrointest Endosc, 1991, 37(1): 197.

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