number statistics of the tissue slices.

1.4Statistical treatment Statistical analysis was performed using SPSS20.0 software, P<0.05 showed statistically significant.

2 Results and Analysis After 4 weeks , Acu,Reh and A+R three groups' escape latency, compared with the Mod group the difference was statistically significant (P<0.05), and the needle Kang group's test results was better than the Acu and Reh.The positive oligodendrocyte number of sham operation group in callosum is more; but they began to decrease after the success of the modeling in the model group .And in the Acu and Reh they were slightly increased, there was a significant difference compared with the model group(P<0.05);The A+R 's Olig2 positive number increased significantly, and the acupuncture group, rehabilitation group were significantly different(P<0.05).

3 Discussion The occurrence of chronic hypoperfusion cognitive dysfunction is hidden, and is easily overlooked.So it is to late when people noticed it . Acupuncture and rehabilitation are synchronization, dynamic therapy, integral rehabilitation[4] . Professor tang has extensive clinical experience and research proved that the combination of acupuncture and modern rehabilitation techniques are better than simple acupuncture treatment or rehabilitation training[5].The experiment proved that acupuncture and rehabilitation therapy in improving chronic hypoperfusion in rats and increasing the number of oligodendrocytes ,repair their neurons, so as to improve the cognitive function of rats.

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DOI 10.22448/AMJ.2017.3.48-48

CLINICAL EFFECT OF MADOPAR COMBINED WITH HEAD ACUPUNCTURE ON PARKINSON'S DISEASE

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Abstract Objective: To observe the therapeutic effect of scalp acupuncture on Parkinson's disease. Methods: 90 patients were randomly divided into Group A, Group B and Group C. The Group A was treated by oral western medicine administration combined with head acupuncture andcommon acupuncture for treatment.The Group B was treated by common acupuncture combined with scalp acupuncture point (dance tremor control area).The Group C was treated with oral madopar administration combined with common acupuncture.Weobserved the curative effect after 4 courses of the treatment. Results:After treatment, the UPDRS scores of PD patients in Group A reduced to14.23±11.35 , The UPDRS scores of PD patients in Group B decreased to 23.30±14.73, The UPDRS scores of PD patients in group C reduced to19.07±11.71; The UPDRS scores were significant different before and after the treatment in Group A and Group B (P< 0.05).The UPDRS scores were significant different between Group A and group C (P< 0.05); In Group A, there are 4 recovered cases, 19 effective cases, 11 improved cases and 6 invalid cases. In Group B, 1 recovered case, 12 effective cases, 11 improved cases, and 6 invalid cases.Using X2 test:X2=8.4227, P=0.038<0.05,There was a significant difference between the two groups. In Group C 1 recovered case, 11 effective cases, 15 improved cases, and 3 invalid cases.Using X2 test:X2=8.7905, P=0.032<0.05,There was a significant difference between the two groups.Conclusion: The therapeutic effect of madopar combined with head acupuncture on Parkinson's disease is more significant.

Keywords: head acupuncture, acupuncture, medicine, Parkinson's disease, clinical observation

DOI 10.22448/AMJ.2017.3.48-49

THE PHARMACODYNAMICS RESEARCH OF QIXUANYIJIANING ON TREATMENT OF HYPERTHYROIDISM AND ITS REGULATORY EFFECT TO THE RELATED FACTORS OF TH17

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Abstracts Objectives: To study and develop the curative effect and mechanism of Qixuanyijianing on hyperthyroidism, the effect was researched and the regulatory impact of Qixuanyijianing to Th17 cells were ex-

plored, which will lay a foundation for traditional Chinese medicine for the treatment of hyperthyroidism.

Methods: By taking Yersinia enterocolitica (YE) of 5×108 /ml at the 0th, 5th, 10th, 15th, 20th day respectively, hyperthyroidism model rats were copied by injecting 0.1, 0.2, 0.3, 0.4, 0.5 ml into rats' caudal vein ,and control group were given equal volume saline. At the 2th days after injection, the model groups were randomly divided into model group, high, medium and low dose group of Qixuanyijianing and positive medicine group respectively, according to 17.4 g/kg (crude drug) rats, 7.2 g/kg (crude drug) rat, 3.6 g/kg (crude drug)rat .They were given heavy irrigation once a day for 28 days , the control group and model group was given the same volume distilled water. During the process of experiment, the appearance of rats were observed and the weight of rats were taken every 10 days; serum and thyroid tissue of Qixuanyijianing-treated group were indicated; the levels of T3, T4 were determined by radioimmunoassay; the levels of IL - 17, IL - 6 and TGF –β were measured by ELISA ; Immunohistochemistry method and the Real-time PCR were used to measure the level of IL - 17 and IL – 17R protein expression of thyroid tissues.

Results : Compared with the control group, model group rats gain weight lower significantly, the levels of T3, T4 increase significantly; TSH lower decrease, thyroid tissue pathologic change. Compared with the model group with significant difference , Qixuanyijianing-treated group can make serum T3 and T4 levels of hyperthyroidism rat lower; the level of TSH decrease, thyroid tissue pathological have been improved, ($P < 0.05$). Qixuanyijianing-treated group can reduce the serum level of IL - 17, IL - 6, TGF – β of the hyperthyroidism rats and IL - 17 in thyroid tissue, IL - 17 R and IL - 17 mRNA, the protein expression level of IL-17RmRNA decrease significantly which show the regulatory effect of Qixuanyijianing to Th17 cells .

Conclusions: 1. According to the weight, the levels of serum T3, T4 and TSH and thyroid tissue pathology, the hyperthyroidism model was determined successfully.

ixuanyijianing could significantly improve body weight of hyperthyroidism rat, reduce the levels of serum T3, T4, increase the levels of TSH, and improve the thyroid tissue pathological, which shows that Qixuanyijianing has a good therapeutic effect to hyperthyroidism. Qixuanyijianing can significantly reduce serum IL - 17, IL - 6, TGF-β the level of hyperthyroidism rat, and can significantly lower levels of IL - 17, IL - 17 r and IL - 17 mRNA, IL17RmRNA protein expression of thyroid tissues, which shows that the Qixuanyijianing related factors and has influence on the regulation of Th17 cells.

Key Words: Qixuanyijianing; hyperthyroidism; Th17 cells; Interleukin-17

DOI 10.22448/AMJ.2017.3.49-50

RESEARCH ON THE PROTECTIVE EFFECT OF BAICHANTING COMPOUND ON PARKINSON DISEASE MODEL

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Abstract:Objective and significance:Baichanting compound(BCT) was refined from FuyuanPingchanningthat was an empirical treatment for Parkinson's disease (PD),which was a combination of effective parts of Acanthopanax extracts,Radix Paeoniae Alba extracts,Uncaria extracts.Previous studies showed that Fuyuanpingchanninghad a very good effect on PD. BCT has the functions of nourishing liver and kidney, stabilizing liver Yang, supplementing qi and nourishing blood, expelling wind and stopping convulsion.In this study, we observed the influence of BCT on oxidative stress, neuroinflammation and cell apoptosis of PD cell and mouse models to reveal its neuroprotective effect and mechanism.Methods:1.The uniform design method was used to explore the best compatibility proportion of BCT. 2. (1)BCT's protections to SH-SY5Y cell model of PD induced by MPP+SH-SY5Y cells were addressed in different concentration of MPP+ and different action time.The cell survival rate wasset by the MTT method. By comparing their cell survival rate,we can determine the suitable concentration and action time of MPP+ and explore the BCT protective effect on SH-SY5Y cells induced by MPP+.(2)The PD mice model was induced by MPTP.The mouse were randomly divided into normal group, model group, Madopar group,and the BCT high dose, middle dose and low dose groups. Neurobiology was detected by the pole and independent activities experiments. DA content in mice striatum was detected by UPLC-MS/MS method. The acetylcholine (Ach) content of mice striatum was detected by biochemical method.The positive cells' expressions of tyrosine hydroxylase (TH) and dopamine transporter (DAT) in midbrain substantianigra wereobserved by immunohistochemical method. 3.Research of BCT's neuroprotection mechanism on PD mice model:(1) The level of SOD, MDA and GSH-Px in mice midbrain substantianigra was detected by biochemical method.The nucleoprotein expression of Nrf2 and HO-1 was detected by Western blot. The mRNA expression of Nrf2 and HO-1 was detected by Real-time PCR.(2)Expressionof glial fibers acidic protein (GFAP) and nitric oxide synthase (iNOS) of positive cells in mice midbrain substantianigra was detected by immunohistochemical method. The level of IL - 6, IL - 1β,TNF-α, IFN – γ and NO in mice midbrain substantianigrawere detected by ELISA method. (3)The positive apoptosis cells expression in mice midbrain substantianigra was detected by the TUNEL method. The apoptosis related proteins Bax, Bcl - 2, Caspase 3, and Cyt-c expression were detected by Western blot. The apoptosis related gene Bax, Bcl-2, Caspase-3 and Cyt c mRNA expressions were detected by Real-time PCR method.Results:1.The best compatibility proportionis: X1 (acanthopanax extract) = 54.00, X2 (extracts from radix paeoniae alba) = 44.88, the X3 (uncaria extract) = 82.50.2.MPP+ can significantly reduce the survival rate of SH-SY5Y cells.With the concentration and the action time of MPP+ increasing, the damage on SH-SY5Y cells wasmade worse. The suitable concentration was 0.437 μmol/L and the action time was 48h. BCT could protect cell damage through improving the survival rate of SH-SY5Y cells significantly. MPTP can significantly extend the climbing pole time, reduce frequency of autonomic activities, decrease DA content of striatum, positive cells expression of TH and DAT, increase Ach content of striatum. But related indexes expressions