

GUDUCCHI AS IMMUNOMODULATOR IN PEDIATRIC AGE GROUP

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ABSTRACT

Immunity is the power of body to fight against the disease. According to Ayurveda Immunity is Vydihikshmatav that means bala against vydhi or vyadhiptibandtav. If a person has best immunity then he can deal with any type of disorder sudden cause of any disease, from minute disease like cough, cold up to major disease like AIDS, leprosy Diabetes, Tuberculosis, Hypertension and now a days covid -19 pandemic all can occur if and only if the immunity of person is affected and vice –versa. AWhereas children they are more prone to respiratory disease and many of suffering from delayed milestone, sickle cell disorder. According to Ayurveda balya awstha is kapha awstha it means children are more prone to kaphaj vydhi. In Ayurvedic literature there is tremendous information related with medicinal plant is available out of which Guduchhi is one of the plant which act on immunity by

its Kattu, Tikt, Kashya Rasa and Madhur Vipak and also it is said to be Rasayani by their Gun-Karma so here in this article we are analyzing whether it can act as best immunomodulator in Pediatric age group as children having good quality of immunity.

KEYWORDS: Guduchhi, Immunity, Immunomodulator, Different age groups.

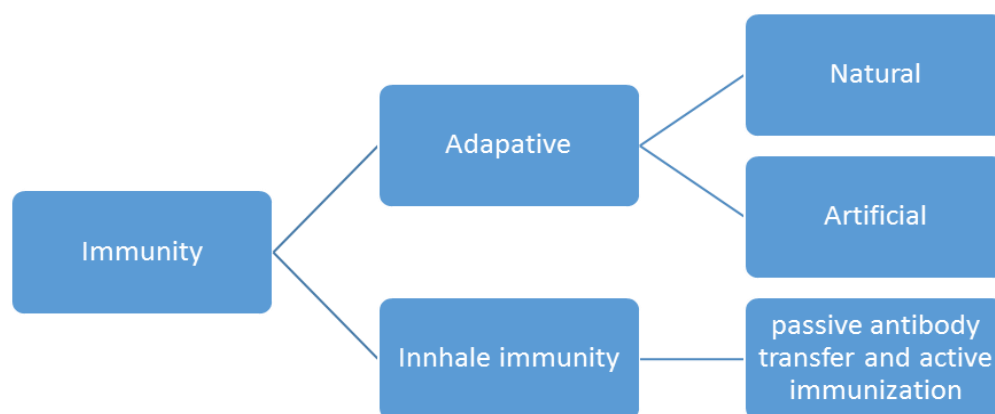
INTRODUCTION

Immunity can be defined as, a complex biological system endowed with the capacity to recognize and tolerate whatever belongs to the self , and to recognize and reject what foreign (non –self).In biology, immunity is the capability of multicellular organisms to resist harmful microorganism immunity involves both specific and nonspecific components. The non-

specific component act as barriers or eliminators of wide range of pathogens irrespective of their antigenic make-up, other components of the immune system adapt themselves to each new disease encountered and can generate pathogen –specific immunity.

The immune system has two components innate and adaptive immunity. The innate immunity is present in all metazoans, while the adaptive immunity only occurs in vertebrates. There are mainly two types of immunity. Innate immunity and Adaptive immunity, whereas adaptive immunity is again classified in natural and artificial immunity and the natural, in –passive (maternal) and active (infection), artificial in passive (antibody transfer) and active (immunization).

Immunity classification



The innate immune system is the first line of defense against invading pathogens and particularly important in warding off bacterial and viral infections.

In general in all adult patient we can use *Guduchhi* for various purpose to cure the disease, where as in ‘*Balrog*’ as the *balya* awstha has Kapha Pradhan awstha and age of developing immunity.

The another properties of Guduchhi explained in [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] [30] [31] [32] [33] [34] [35] [36] [37] [38] [39] [40] [41] [42] [43] [44] [45] [46] [47] [48] [49] [50] [51] [52] [53] [54] [55] [56] [57] [58] [59] [60] [61] [62] [63] [64] [65] [66] [67] [68] [69] [70] [71] [72] [73] [74] [75] [76] [77] [78] [79] [80] [81] [82] [83] [84] [85] [86] [87] [88] [89] [90] [91] [92] [93] [94] [95] [96] [97] [98] [99] [100] [101] [102] [103] [104] [105] [106] [107] [108] [109] [110] [111] [112] [113] [114] [115] [116] [117] [118] [119] [120] [121] [122] [123] [124] [125] [126] [127] [128] [129] [130] [131] [132] [133] [134] [135] [136] [137] [138] [139] [140] [141] [142] [143] [144] [145] [146] [147] [148] [149] [150] [151] [152] [153] [154] [155] [156] [157] [158] [159] [160] [161] [162] [163] [164] [165] [166] [167] [168] [169] [170] [171] [172] [173] [174] [175] [176] 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[illegible]

लाभोपायो हि शस्ताना रसादीनां रसायनं

► गुडूची कटुका तिक्ता स्वादुपाका रसायनी संग्राहिणी कषायोष्णा लघ्वी बल्यअग्निदीपनी
दोषत्रयाम तृड्दाहमोहकासांश्च पाण्डुताम् कामला कुष्ठ वातस्त्रज्वरकृमिवमी हरेत्

► Here "*Guducchi*" is considered as *Kattu*, *tikt*, *kashay*, *Rasatmak* & *Rasyani* because of this properties it is act as *Tridoshshamk* .And due *tikt ras* it is *shresht kaffghan* and *Swadu Vipak* it is act as *Balya* so it will be best immunomodulator.