

## Changing Scenario of Complications in P.vivax Malaria



### Medical Science

KEYWORDS :

<b>Dr Janak Chokshi</b>	AP in medicine dept at CHA
<b>Dr Niyati Bhalani</b>	Resident doctor medicine dept at CHA
<b>Dr Muzammeel Hada</b>	Resident doctor medicine dept at CHA
<b>Dr Chintan Mori</b>	Senior resident gmrs medical college Gandhinagar
<b>Dr.asna sheikh</b>	Resident doctor medicine dept at CHA

### INTRODUCTION

Severe malaria is a leading cause of serious illness and death among people in some Asian and African countries. Malaria is found in tropical and sub tropical climates worldwide.

### AIMS AND OBJECTIVES

To study changing scenario of complications and outcome in p.vivax malaria

### MATERIAL AND METHODS

This prospective study was conducted on 100cases of p vivax malaria who presented at civil hospital Ahmedabad from sept 2013 to oct 2014.Theywereanalysedforcomplicationsandoutcome.

### RESULT:

**Table 1: Cases of complicated and uncomplicated p.vivax malaria**

Cases	Present study(%)
uncomplicated	72
complicated	28
total	100

**TABLE 2: percentage of different complications in patients of p.vivax malaria**

complication	No of patients	% of patients
Jaundice	6	21.42
Acute kidney injury	9	32.14
Hypoglycemia	5	17.85
anemia	4	14.28
Acute respiratory distress syndrome	4	14.28
Cerebral malaria	0	0
Total	28	100

**TABLE 3: outcome of complications and mortality in p.vivax malaria**

Complications	No. of patients	Survived	Expired
Single complication	19	19 [100%]	0 [0%]
Two complication	7	4 [57.14%]	3 [42.85%]
Three complication	2	0 [0%]	2 [100%]

### CONCLUSION

Plasmodium vivax can result in severe disease and can no longer be considered to be a benign condition in India. Higher mortality rate is found in patients with more complications and multi organ dysfunctions. Close monitoring of such patients should be done.

In this hospital based study, the incidence of various complications maybe higher than the incidence in the community; and is a limitation of the study. Severe p.vivax malaria is a relatively new clinical entity and further studies from different parts of India are needed to decipher the underlying pathogenesis of severe disease, and the degree to which it is related to the emergence of multidrug resistant strains of p.vivax.